SCIENCE WEB GUIDE

دليل المواقع العلمية

أفضل المواقع لكافة أنواع العلوم





Khaled Mohamed Khaled

خالد محمد خالد

بسم الله الرحمن الرحيم

"نرفع درجات من نشاء وفوق كل ذي علم عليم"

صدق الله العظيم

The easy way to get your websites

Science Web Guide

2003-2004 Edition

By

Khaled Mohamed Khaled

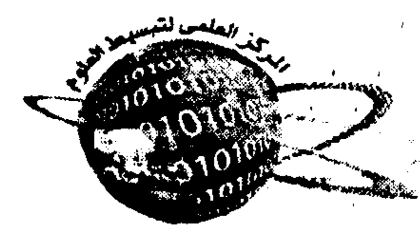
Internet specialist Diploma

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0106367467

Publisher



المركز العلمى لتبسيط العلوم

مصطفى كامل – إسكندرية – مصر

تليفون : ٥٧٣١٤٤٦ – فاكس : ٥٢٩٨٤٢٨

For my Father, Mother
and my Wife
With my Love

Acknowledgment

Thanks so much to all Who Worked to Produce This Book.

I Would Like to thank
Eng. Ahmed Hassan Khamis
And Mr. Ibrahim Zobeer

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Science Web Guide
2003 Edition

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Egyptian book Number : 2003 / 18717
International Standard Book Number (ISBN) : 977-17-1120-2

Printed in Arab Republic of Egypt.

المقدمة
INTRODUCTION

لماذا هذا الكتاب ؟

يهدف هذا الدليل إلى زيادة مقدرة الدارس والباحث على البحث الدقيق والسريع في شتى العلوم الصحية والعلمية والتعليمية بمختلف أنواعها العلمية والمهنية وذلك باختيار الكلمات المناسبة من قائمة المحتويات التي تم سردها بمدخل الكتاب لكي يستدل الباحث بها للوصول إلى الموقع المناسب الذي يلائم متطلباته . .

ومن هذا المنطلق فقد قدمت للدارس أهم وأعظم المواقع الصحية والعلمية التي قمت باختيارها وتجميعها من أهم آلات البحث والدلائل الموجودة داخل شبكة الإنترنت ومن أفضل الكتب العالمية التي تعمل في تبسيط علوم الإنترنت وذلك لتعزيز هذا الهدف .

ولما كانت المهارة البحثية ضرورية لتبادل الآراء والمعلومات ، وعمل الأبحاث العلمية والتقارير الصحية ، فقد عمدت إلى إضافة مواقع هامة تفيد الباحث في عمل أبحاث ورسائل الماجستير والدكتوراه بسهولة ويسر وذلك بالإطلاع على أهم المواقع الخاصة بهذه الأبحاث من مختلف دول الشرق والغرب وأهمها الولايات المتحدة الأمريكية وبريطانيا ، فنحن وبغض النظر عن النواحي السياسية محتاجون للإطلاع على أبحاث هؤلاء الدول وذلك لما يتمتعون به من قدرات اقتصادية وتكنولوجية تتيح لهم فرصة عمل الأبحاث وإنتاج تقنيات جديدة يومياً . . فلابد أن نطلع على هذه التقنيات الجديدة من خلال مواقعهم بالإنترنت . . .

ويقدم هذا الدليل نموذجاً طيباً لروح الإطلاع وحب البحث الدائم لما هو مفيد وبناء لقيام بلادنا العربية والإسلامية على الرقي العلمي والتكنولوجي والبعد عن ما هو هدام لأصول الدين والخلق وذلك بما يفعله بعض مستخدمي شبكة الإنترنت للبحث عن مواقع الإباحة ومواقع غرف المحاكاة مما يضيع عقولهم ووقتهم .

فقد لجأنا لتحقيق هذه الغاية إلى إطلاع الدارس على كثير من المواقع العلمية والصحية الخاصة بمجتمعنا العربي والإسلامي ولكن بلغة الناطقين بالإنجليزية في هيئة لمحات ثقافية . ليس هذا فحسب ، بل لقد عمدت إلى تقديم مفردات المحتويات في أسلوب مميز موجه بالدرجة الأولى إلى عالم الصحة والعلوم الدولية .

كما يحتوى هذا الدليل على مواد كافية ومعادلة لدراسة أي علم صحي أو علمي ، إذ هو يفترض على الباحث أن يقوم بالبحث بهذه المواقع في زمن لا يتعدى الخمس دقائق للوصول إلى غايته بدلاً من أن يأخذ وقتاً ما لا يقل عن عشر ساعات للوصول إلى نفس الغاية إذا قام بالبحث بنفسه داخل ملايين المواقع التي بداخل شبكة الإنترنت . .

يشترط على من يرغب في البحث داخل هذا الدليل أن يكون ملماً باللغة الإنجليزية . .

وحتى يطمئن الباحث أو الدارس على الأخذ بهذه المواقع ، له الحق أن يعرف أن مقدم هذا الدليل حاصل على بكالوريوس العلوم جامعة الإسكندرية ، ثم درس مواد ماجستير تكنولوجيا المعلومات ومواد ماجستير الدراسات البيئية بمعهد الدراسات العليا والبحوث ، ثم حصل على دبلومة متخصصة في الإنترنت من الولايات المتحدة الأمريكية . .

كيف تبحث في هذا الكتاب:

لقد قمت بسرد قائمة المحتويات **contents** حسب رقم الموقع وليس رقم الصفحة ليسهل على الباحث الوصول إلى عنوان رئيسي أكثر دقة وتحديداً للمعلومة أو الكلمة التي يريدها الباحث . .

وقد تم سرد جميع المواقع وشرحها باللغة الإنجليزية لأن البحث داخل شبكة الإنترنت يعتمد على هذه اللغة . . فالأفضل أن تتعلم وتبحث بهذه المفردات .

أسأل الله العلي العظيم أن يكون هذا العمل مفيداً ونافعاً وبناءاً لكل الباحثين العرب ، وأن يجعله الله سبحانه وتعالى في ميزان حسنات والدي رحمه الله ، وبهذا العمل أدعو الله أن يغفر ذنوبنا ويسدد ديوننا ويشفي مرضانا ويرحم أمواتنا ويهلك أعدائنا وينصرنا على القوم الظالمين . .

وآخر دعوانا أن الحمد لله رب العالمين

خالد محمد خالد

الإسكندرية - مصر

IN THIS BOOK

The best Web Sites of:

- Arab Science
- Agriculture
- Animals
- Alternative Science
- Aerospace
- Algebra
- Anthropology
- Arachnology
- Archaeology
- Architecture
- Astrology
- Anthropology
- Astronomy
- Biology
- Cartography
- Clinical and Counseling
- Chemistry
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- Cosmology

- Crystallography
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- Zoology

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Ancient Egypt

1. Few Had Wealth in Ancient Egypt
http://www.nature.com/nsu/021125/021125-8.html
From Nature, Most ancient Egyptians were on the poverty line while a handful of priest-kings held fabulous wealth.

2. Egyptology Resources
http://www.newton.cam.ac.uk/egypt/
Internet resources, including mailing lists, news and gossip, contact information for institutes and individuals, journals and links from Nigel Strudwick.

3. Life in Ancient Egypt
http://www.carnegiemuseums.org/cmnh/exhibits/egypt/
Examination of everyday life in ancient Egypt through artifacts on display at the Carnegie Museum of Natural History.

ARAB SCIENCE

4. Arab.net
http://www.arab.net/
Arab View is a collection of articles written by leading journalists and editors in the
Middle East. This site provides a huge lots of information about 22 Arab countries like Science, Education, Business, Health, news, History, Geography, Industry, Economy, Agriculture, Geology, oil , Petroleum and minerals, and people.

5. Islamic History Sourcebook
http://www.fordham.edu/halsall/islam/islamsbook.html
This is really a terrific resource.
Terrific website with chock full of information on Islamic history, from its beginnings in Arabia up until today.

Agriculture

6. Consultative Group on International Agricultural Research
http://www.cgiar.org/
CGIAR's mission is to contribute to food security and poverty eradication in developing countries through research, partnership, capacity building, and policy support, and promoting sustainable agricultural development based on the environmentally sound management of natural resources.

7. Board on Agriculture and Natural Resources, NAS/NRC
http://www7.nationalacademies.org/banr/
Part of U.S. National Academy of Sciences and National Research Council. Topics on site include animal nutrition, pesticides, and federal funding of agricultural research.

8. Resource Centre on Urban Agriculture and Forestry
http://www.ruaf.org/
Provides resources for the integration of agriculture into urban planning. Website holds a number of papers and links to related sites.

9. National Institute of Agricultural Botany
http://www.niab.com/
Independent body specializing in agriculture, horticulture and food. It supplies a number of services including consultancy, training, and technical advice to governments, supra-governmental agencies, agribusiness and farmers.

10. Agriculture 21
http://www.fao.org/ag
Food and Agriculture Organization's agriculture website. Includes a news magazine plus guides and links to information on livestock, biotechnology, land/water development, crop production, plant protection, agricultural support systems.

Animals

11. Federation of Animal Science Societies
http://www.fass.org/
US society promoting animal agriculture. Details of the society, member directory, newsletters and meetings.

12. The National Institute for Animal Agriculture
http://www.animalagriculture.org
Describes its work in serving and promoting the livestock industry in the United States. Includes downloadable technical papers, event and educational information.

13. New Zealand Society of Animal Production
http://nzsap.org.nz
Includes details of the society, lists of articles, details of conference proceedings, newsletters, how to join.

14. New Zealand Journal of Agricultural Research
http://www.rsnz.govt.nz/publish/nzjar/
Articles on animal husbandry and pasture. Abstracts of articles available online.

15. Invertebrate Images
http://zoltantakacs.com/zt/pw/in/index.shtml
Images of invertebrates from the tropical rain forest, deserts and coral reefs.

16. Polish National Research Institute of Animal Production
http://www.izoo.krakow.pl/english/index.htm
Research interests include genetic improvement, nutrition, and development of biotechnical methods for growth, development and production of animals and product quality.

17. CABFocus on Animal Breeding
http://www.cabipublishing.org/focus/animal_breeding/index.asp
Collection of online abstracts to articles and research on animal breeding. Requires registration.

18. Swiss Federal Dairy Research Station
http://www.admin.ch/sar/fam
For scientific research, advisory and control tasks on dairy products and beekeeping. Site languages: German, English, French, and Italian.

19. Animal Production Systems Group
http://www.zod.wau.nl/aps
Explores sustainable development options for high and low external input animal production systems on a worldwide scale.

Animals - Beekeeping

20. Apiservices - Virtual Beekeeping Gallery
http://www.beekeeping.com
Information, products and services for beekeeping, bees and honey. 65 hosted companies and associations. Quadrilingual site: English, French, Spanish and German.

21. Pollination
http://pollinator.com
On the importance to the grower of ensuring that pollination occurs: how to manage pollination, list of breeders for this purpose, and a plant database.

22. Beehoo
http://www.beehoo.com/
World beekeeping directory.

23. The BeeHive Web Site Menu
http://www.xensei.com/users/alwine/beesite.htm
All about honey bees, their role in nature, value to humans, and beekeeping information.

24. New Zealand Beekeeping
http://www.beekeeping.co.nz
The site features information and articles on beekeeping in New Zealand.

25. Beemaster.com; Beekeeping Course
http://www.beemaster.com/honeybee/beehome.htm
An on-line tutorial for beekeeping.

26. Beekeeping in Mexico
http://www.netcall.com.mx/abejas/
Beekeeping information from Mexico, covering the history and current

state of the craft. Information about bees, enterprises, associations, exporters and packers,
and publications. (Spanish and English.).

27. Beekeeper's Web Links
http://ourworld.compuserve.com/homepages/Beekeeping/weblinks.htm
500 web links to beekeepers' resources.

Animalia - Acoelomates

28. Acoelomates Animals
http://www.belmont.edu/Science/Biology/Bio112/19-Acoelomates.html
An introduction to the Platy helminthes and Nemertea, with links to several images.

29. Acoelomates
http://library.thinkquest.org/C006669/data/Biol/invert_5.html
Student notes on flatworms, flukes and tapeworms. Provides facts and brief descriptions..

Animalia - Hyaenidae

30. Hyena Pages
http://www.liberalmafia.org/hyenas/hyena.html
Facts and photos of spotted hyenas, brown hyenas, and aardwolves, as well as pages on hyena evolution and folklore.

31. Spotted Hyena
http://sailfish.exis.net/~spook/hyenatxt.html
Lots of information about hyena behavior.

32. Animals of Africa -- Hyenas
http://www.hlla.com/reference/anafr-hyenas.html
"Hyenas" -- excerpted from the illustrated book "Animals of Africa" .

33. Family Hyena
http://www.geocities.com/family_hyena/
General information about the Spotted Hyena.

34. Swaziland Spotted Hyena Project
http://www.freewebs.com/swaziland/
Research initiative to learn the status of the hyena population in the country. Features mission statement, overview, updates, and information about the species.

35. The Hyena Webring
http://f.webring.com/hub?ring=hyena
A web ring devoted to consolidating web information about hyenas.

36. Laughing Hyena Den
http://hyena.g2gm.com/
Information, pictures, diagrams and other content on the spotted hyena, one of Africa's most powerful predators.

Anomalies and Alternative Science

37. Science Frontiers Digest of Scientific Anomalies
http://www.science-frontiers.com/
The unusual & unexplained, from the pages of the world's scientific journals.

38. Society for Scientific Exploration
http://www.scientificexploration.org/
The primary goal of the international Society for Scientific Exploration (SSE) is to provide a professional forum for presentations, criticism, and debate concerning topics which are for various reasons ignored or studied inadequately within mainstream science.

39. Alchemical Garden at the Edge of Time
http://www.levity.com/eschaton/hyperborea.html
Includes online information on alchemy and other subjects in divided sections, including images, alchemical texts, bibliographical material on the printed books and manuscripts, and general reference material.

40. Alternative Science
http://www.alternativescience.com/
Challenging the myths of the scientific establishment - including neo-

Darwinism - by controversial writer, journalist and broadcaster Richard Milton.

41. Is Native DNA A Helix?
http://www.notahelix.com/
Site presents the argument that the DNA helix theory is incorrect.

42. The Interactive On-line Encyclopedia of the Unexplained
http://www.unexplained-mysteries.com/
Information and articles, including cryptozoology, UFOs, crop circles, and ghosts.

43. Hyperspace Physics
http://deoxy.org/hs_phys.htm
Visions of the other world from several paradigmatic perspectives.

44. Radiant Pressure Model of Remote Forces
http://home.netcom.com/~sbyers11/index.html
Contains a report which presents data and analysis demonstrating gravitational shielding in our plantary system.

45. Educate-Yourself.org
http://educate-yourself.org/
A free educational forum dedicated to the dissemination of accurate information in the use of natural, non pharmaceutical medicines and alternative healing therapies in the treatment of disease conditions. Hidden science, free energy, Earth changes.

46. What Science is Missing
http://www.geocities.com/kundalini48/what.html
An open letter to Stephen Hawking on the completion of Unified Field Theory.

47. The Noise Room
http://www.thenoiseroom.com/
Rob Speight gathers news and information on modern mysteries, ancient history and the new research. Affiliate book sales.

48. MMMGroup Home Page - Forbidden archaeology, Egypt mysteries
http://members.xoom.virgilio.it/mmmgroup/
This site is dedicated to various mysteries: forbidden archaeology, Egypt, OOPARTS, strange photos, anomalies in the past and other various mysteries.

49. Alternative Perspectives
http://novan.com/articles.htm
Ideas on astronomy, cosmology, biology, philosophy, physics and psychology.

50. The Science of Superstitions
http://www.geocities.com/vaksam/supers.html
Is the difference between superstition and science, the normal and the paranormal that big?

51. The Academy of General Science
http://w1.877.telia.com/~u87727680/default.htm
Aims at integrating empirical theories within an axiomatic framework. It follows the Aristotelian thought of using first principles in search of knowledge.

52. Plasticine.com
http://www.metropolisink.com/
E-publisher concentrating on alternative science, history and medicine. Rocket, Softbook and PDF formats.

53. Time Before and After
http://geocities.com/aaron_stiles/
A theory that can't be dismissed with ease. Science, medical science, physics, astronomy.

54. Native Future
http://www.nativefuture.8m.com/
Informational links relating to alternative sciences, histories and beliefs for a new era.

55. Man and Science
http://www.physics-microphysics.com/
Physics with everything made of pirinions and electrinions, and a theory of life based on the psychoatom. Files downloaded in zip format.

56. Numeric Structures of the Genetic Code
http://perso.wanadoo.fr/jean-yves.boulay/cpeng/eng.htm
The number of protons contained in every amino acid and the configuration of DNA's bases of their respective genetic coding are connected by numeric phenomena.

57. Digital Biology
http://www.Digitalbiology.info/
Compares a microprocessor architecture to the genetic code.

58. Hypothesis Information
http://hypothesis.info/
Hypothesis and scientific method information, chat and (sometimes) news for the dot Generation.

Animal Behavior

59. Bird Behavior
http://www.ucc.uconn.edu/~millerd/bbframes.html
Information about and tables of contents from an international, interdisciplinary journal publishing research on descriptive and experimental analyses of species-typical avian behavior, including the areas of ethnology, behavioral ecology, comparative psychology, and behavioral neuroscience.

60. Penology
http://sws-wis.com/lifecycles/
Animal activity and growth responses to seasonal climatic changes. Discussion of phenology, and information on recording plant and animal cycles of life as well as other natural history events.

61. Fauna Communications Research
http://Animalvoice.com/
Institute researches bioacoustics and animal communication, especially of endangered species.

62. First European Conference on Behavioral Biology
http://www.behaviour2002.de
The European Societies for Behavioral Biology present a joint conference in Muenster from July 31 to August 4, 2002.

63. Encyclopedia of Psychology - Animal Behavior
http://www.psychology.org/links/Environment_Behavior_Relationships/Animal_Behavior-Instincts/
Links to resources on animal behavior and instincts.

64. The Dolphin Institute
http://www.dolphin-institute.org/
Dedicated to conservation of and education about dolphins and whales. Research projects include dolphin echolocation, language capabilities, and memory and humpback whale socialization and migration.

65. Ethology
http://www.blackwell.de/eth.htm
Tables of contents, contacts, and subscription information for this Blackwell Wissenschafts-Verlag journal.

66. Animal Self-Medication
http://www.animalselfmedication.com/
Exploration of the possibility that many animals use 'medicines' to guard against illness.

67. Feral Cats
http://members.aol.com/catsferal/
Information on a study of feral cats in Portsmouth Naval Dockyard (UK), conducted by Jane Dards in the 1970s. The study covered population ecology and social behavior.

68. Animal Behavior and Sociobiology
http://www.science.mcmaster.ca/psychology/psych1a6/1aa3/EvoPsych/lec1-1.htm
Lecture on sociobiological behavior based on experimental animal observation from McMaster University.

69. The Whiting Lab
http://www.wits.ac.za/mwlab/
Research focuses on behavior and evolutionary ecology of lizards and cichlids. Features description of projects, staff profiles, news, and publications. Wits University, South Africa.

70. Konrad Lorenz Institut for Comparative Ethology
http://www.oeaw.ac.at/klivv
An Institute of the Austrian Academy of Sciences that investigates the major unsolved problems in behavioral and evolutionary ecology.

Ants

71. Photos of ants
http://ant.edb.miyakyou.ac.jp/INTRODUCTION/Gakken79E/Page_02.html
Photo encyclopedia of various ants showing their biology and habits.

72. Ants In Tallgrass Prairies.
http://www.npwrc.usgs.gov/resource/1999/ants/ants.htm
The ecology, taxonomy and origins of prairie ants.

73. New World Army Ants
http://www.armyants.org/
A review of army ants of the new world. Includes maps and keys.

74. Ant Colony Cycle
http://research.amnh.org/entomology/social_insects/ants/ant_colony_cycle.html
View photos and read explanations of the life and building cycle of an ant colony. Click on the images for additional details.

75. Behavior of ants
http://iridia.ulb.ac.be/~mdorigo/ACO/RealAnts.html
Facts concerning ant trails and foraging behavior.

76. Carpenter Ants
http://www.uky.edu/Agriculture/Entomology/entfacts/struct/ef603.htm
This University of Kentucky site offers detailed information about behavior and physiology of the common carpenter ant.

Ant Colony Optimization

77. Ant Colony Optimization
http://iridia.ulb.ac.be/~mdorigo/ACO/ACO.html
Optimization methodology based on ant behaviors. The first ACO system was introduced by Marco Dorigo in 1992. ACO was applied to the traveling salesman problem, and to the quadratic assignment problem.

78. ANTS Workshop Series
http://iridia.ulb.ac.be/~ants/
From Ant Colonies to Artificial Ants: A Series of International Workshops on Ant Algorithms. Links to individual conferences and proceedings.

79. Ant Routing System
http://officehelp.gone.dk/ITCProjekter/AntRoutingSystem/AntRoutingSystem.html
Contains a report on Ant Routing System, which is a routing algorithm based on ant algorithms applied to a simulated network.

Acoustics Ultrasound and Vibration

80. Vibration and Waves Animations
http://www.gmi.edu/~drussell/Demos.html
Dan Russell, Ph.D., Associate Professor of Applied Physics at Kettering University in Flint, MI.

81. Acoustics Careers and Research Areas
http://asa.aip.org/acou_and_you.html
The field of acoustics, because it is so diverse, offers many different career opportunities.

82. Acoustics Frequently Asked Questions
http://www.Point-and-Click.com/Campanella_Acoustics/faq/faq.htm
An informal file of typical questions and answers on acoustical topics.

83. Vibrationdata.com
http://www.vibrationdata.com/
Consulting and educational services in: acoustics; shock and vibration; signal processing; and dynamic data acquisition and analysis.

84. Art Ludwig's Home Page
http://www.silcom.com/~aludwig/
Information concerning acoustics.

85. Sound and Vibration Magazine
http://www.sandvmag.com
Information for subscriptions, and review of recent issues and events affecting noise and vibration control.

86. Acoustics FAQ
http://www.faqs.org/faqs/physics-faq/acoustics/
A Newsgroup FAQ document intended to answer frequently asked questions about acoustics.

87. Introduction to Spectrum Analysis
http://chandrakantha.com/articles/spectrum/spectrum.html
Introduction to audio spectrum analysis.

88. Stanton Scattering Lab Homepage
http://www.oal.whoi.edu/tstanton/
Sound as a tool to study the ocean environment. How zooplankton scatter sound and models to predict plankton populations in the wild.

89. Sound Waves and the Eardrum
http://www.glenbrook.k12.il.us/gbssci/phys/mmedia/waves/edl.html
Glen brook South Physics Home Page.

90. Architectural Acoustics and Lighting
http://www.tir.com/~ms
Acoustic and lighting definitions and concepts. Reference for architects and interior designers.

91. Glossary Of Acoustic Terms
http://members.aol.com/inceusa/glossary.html
Defines common terms in noise control engineering.

92. Virtual Library for Acoustics and Vibration
http://www.ecgcorp.com/velav/
Good set of links to other sites.

Active Noise Control

93. Frequently Asked Questions about Active Noise Control
http://users.erols.com/ruckman/ancfaq.htm
Provides answers to common questions about active noise control including a discussion of popular misconceptions about what active noise control can and cannot do.

94. Active Noise Control for Smart Materials
http://www.signalsystemscorp.com/ancindex.htm
Research results and software tools for using smart materials in active noise control. Active noise control and noise cancellation solutions for acoustic problems brought to you by Signal Systems Corporation.

95. ACTIVE 99 Technical Program
http://members.aol.com/noisenewsi/a99_pgm.html
Program of the 1999 international conference on active noise and vibration control.

Aerospace - Aeronautics

96. K-8 Aeronautics Internet Textbook
http://muttley.ucdavis.edu/
Learning resources for teachers, students, and enthusiasts interested in aeronautics including an online textbook, lesson plans, and interactive activities.

97. AVM Dynamics
http://www.avmdynamics.com/index1.htm
Symmetric Constellations, software for the design and analysis of satellite constellations.

98. James' Hovercraft Picture Site
http://www.jameshovercraft.co.uk/
Dedicated to the hovercraft of the world. Includes pictures, slide-shows and information on a range of craft.

99. Test Pilot Stuff
http://www.testpilots.com
A Canadian Air Force test pilot describes this unique profession.

100. Micro Air Vehicles
http://www.rcportal.com/mav.htm
Basic information on Micro Air Vehicles.

101. Aerospace Online
http://www2.aerospaceonline.com/Content/News
Virtual community for the aerospace engineering and avionics industry community, including current news.

102. NASA Quest's Aerospace Team Online
http://quest.nasa.gov/aero
Chat with NASA engineers, scientists, and technicians.

Aerospace

103. Federal Aviation Administration
http://www.faa.gov/
The U.S. government regulatory body for aeronautical and space applications. Provides many on-line regulatory and informational resources.

104. Aviation Now
http://www.aviationnow.com/
The premiere online source for aviation and aerospace professionals from the publishers of Aviation Week and Space Technology magazine.

105. Air and Space Magazine
http://www.airspacemag.com/
The official magazine of the National Air and Space Museum featuring articles about flight and aviation technology.

106. Aerospace Online
http://www.aerospaceonline.com/
Daily news and product updates for professionals in the aerospace industry- Information on manufacturing, technology, equipment, supplies, and discussion forums, online chat, newsletter and software.

107. Crosslink Magazine
http://www.aero.org/publications/crosslink/
Crosslink magazine provides technical information from the Aerospace Corporation, a federally funded R&D center focusing on national security space.

108. French National Aerospace Research Establisment (ONERA)
http://www.onera.fr/english.html
A public, scientific and technical establishment covering all the scientific disciplines involved in aircraft, spacecraft and missile design.

109. Space Technology
http://www.space-technology.com/
Latest news on aerospace technology products, alongside international coverage of industry projects. A-Z listing of aerospace contractors and suppliers.

110. Journal of Aerospace Engineering
http://www.pubs.asce.org/journals/as.html
Defines the role of civil engineering in space. Topics covered include lunar soil mechanics, design of inhabited space facilities, energy systems, extraterrestrial construction and resource development, fluid dynamics, and robotics.

111. Aerospace Digital Library
http://www.adl.gatech.edu
Guided access to aerospace engineering, at all levels. K-12 introductions, university undergrad and graduate courses, publications, data, research and software. Developed by teachers and researchers.

112. AeroSpace Web
http://www.aerospaceweb.org/
Provides information regarding a wide range of aerospace-related fields, including aircraft design, spacecraft design, aerodynamics, and flight simulation.

113. Aerospace Projects Review
http://www.up-ship.com/apr/apr.htm
A journal devoted to the untold tales of aerospacecraft design.

114. Aerospace Data International
http://www.aerospacedata.com
Aircraft Systems Modification and Maintenance Data Specialists in development and delivery of high quality Wiring Diagrams, System Schematics and associated data.

Air Dispersion Modeling

115. NOAA's Air Resources Laboratory (ARL)
http://www.arl.noaa.gov
Within the U.S.'s National Oceanic and Atmospheric Administration (NOAA), the ARL conducts research on the transport, dispersion, transformation, and removal of atmospheric pollutants ... leading to the development of air quality and dispersion models.

116. National Atmospheric Release Advisory Center
http://narac.llnl.gov
Located at the University of California's Lawrence Livermore National Laboratory (LLNL), the National Atmospheric Release Advisory Capability (NARAC) is a national emergency response service for real-time assessment of incidents involving accidental releases of nuclear, chemical, biological, or natural hazardous material..

117. Atmospheric Research and Information Centre (ARIC)
http://www.doc.mmu.ac.uk/aric/index.html
Based at the Manchester Metropolitan University in the United Kingdom, ARIC is a research center for study of atmospheric pollution issues caused by industrial, power generation, and transportation sources. ARIC focuses on the basic elements of the science: emission characterization and estimation; ambient air monitoring; predictive modeling; and control technologies.

118. UCR Air Quality Modeling Group
http://www.engr.ucr.edu/mechanical/
The mechanical engineering department of the University of California at Riverside (UCR) has an air quality modeling group performing research in the development and application of small-scale dispersion models, as well as the development of simplified and comprehensive photochemical models.

119. Dispersion Modeling Feature Articles
http://www.environmental-expert.com/article-index.htm
This section of the Environmental-Expert.com site has a searchable index of feature articles concerning air pollution, including feature articles on dispersion modeling.

120. The Nuclear Accident Model (NAME)
http://www.meto.govt.uk/environment/name.html
Developed by the United Kingdom's Meteorological Office, the NAME model is part of the contingency plans in the event of accidental releases of radioactivity into the atmosphere: to provide early warning for the guidance of emergency services; and to predict concentrations, depositions and dosages of radio nuclides as input to impact assessments.

121. Atmospheric Dispersion Modeling Resources
http://www.scapa.bnl.gov/
A report published in 1995, "Atmospheric Dispersion Modeling Resources", can be downloaded from this site. It includes descriptions, contact people, and other details about 94 dispersion models. The report was developed by the: Subcommittee on Consequence Assessment and Protective Action (SCAPA), of the Emergency Management Advisory Committee, of the U.S. Department of Energy.

122. Air Quality Control Company (AQCC)
http://www.aqcc.org/index.htm
Founded in 1993 by the Municipality of Tehran, Iran, the primary role of AQCC is providing research, consultation, planning and implementation of services regarding air and noise pollution in Tehran.

123. The GAIA Air Dispersion Model Database
http://www.ess.co.at/GAIA/models/aria.htm
A database of 27 different air dispersion models. Each model entry includes: a description, where to obtain the software, the original authors, and literature references pertaining to the model. Sponsored by a consortium of 10 countries in Europe, Africa, Asia and Latin America.

124. The Laboratory for Atmospheric Research
http://www.ce.wsu.edu/LAR/LARresearch/PTD/PTD.htm
Located at the Washington State University (in Pullman, Washington,

USA), the Laboratory for Atmospheric Research (LAR) investigates the fundamental nature of pollutant transport and dispersion through a combination of halogenated tracer field programs and advanced numerical modeling.

125. European Environmental Agency: List of Air Dispersion Models
http://reports.eea.eu.int/92-9167-028-6/en/page008.html
An extensive list of European air dispersion models contained in an appendix of a report published by the European Environmental Agency headquartered in Copenhagen, Denmark.

126. European Environmental Agency: Urban Air Dispersion Models
http://reports.eea.eu.int/TEC11a/en/page014.html
A discussion of the algorithms used in urban air dispersion models such as: area source and elevated point source models; street canyon and highway sub-models; plume rise; converting one averaging time to another ... all contained in an annex of a report published by the European Environmental Agency headquartered in Copenhagen, Denmark.

127. Omni - Air Pollution Modeling In Practice
http://www.seiph.umds.ac.uk/omni.htm
Omni is a demonstrator site for disseminating modeled and monitored air pollution data in an accessible form. Details of methodology are included. The data covers the London, England area.

128. Atmospheric Pollution Dispersion Modeling
http://www.air-dispersion.com
Publicizes the book "Fundamentals Of Stack Gas Dispersion" ... a comprehensive single-source reference book on dispersion modeling of continuous, buoyant pollution plumes. Includes published peer reviews, complete Table of Contents, and information about how to obtain copies.

Air Quality

129. Air & Waste Management Association (A&WMA)
http://www.awma.org/
Environmental information including air pollution, hazardous waste,

management, regulations, measuring, modeling, emissions, testing, monitoring, modeling, particulate matter, ozone, and brownfields.

130. EDF Chemical Scorecard
http://www.scorecard.org/
Toxic Release Inventory data for the US (emissions of toxic chemicals to air and water). Search for data on toxic chemicals in your community. Also provides information on human health effects.

131. AIR Web
http://www2.nature.nps.gov/ard/
Air quality and visibility in U.S. national parks, refuges, and other protected areas. From National Park Service Air Resources Division and Fish and Wildlife Services.

132. NOAA - Atmospheric Turbulence and Diffusion Division
http://www.atdd.noaa.gov/
National Oceanic & Atmospheric Administration laboratory research activities are divided into three themes: Air Quality, Emergency Preparedness, and Climate Variability. Each encompasses a number of programs and projects.

133. Urban Transport and Environment
http://www.teriin.org/urban/urban.htm
Information and analysis on urban transport and its impact on environment in India. Includes extensive statistics, announcements of conferences and events, and white papers on topics including air pollution in Delhi and vehicle emission control strategies.

134. Atmospheric Research & Information Center,
http://www.doc.mmu.ac.uk/aric/index.html
Manchester Metropolitan University's multidisciplinary center of excellence for the study and resolution of atmospheric pollution issues. United Kingdom.

135. Norwegian Institute for Air Research
http://www.nilu.no
A leading center of expertise in questions related to air pollution. Established in 1969, it is an independent foundation specialized in most

issues of air pollution on national and international levels. (Language: Norwegian).

136. Canada's Toxic Release Inventory

http://www.ec.gc.ca/pdb/npri/

Information about releases of pollutants into air, water and land. From Environment Canada.

137. NY Ozone Action Day Program

http://www.ozoneny.org/

A public/private partnership to help reduce ozone pollution and smog in New York State.

138. Ozone Transport Commission

http://www.sso.org/otc/

States working together to reduce ground-level ozone in the northeastern U.S. Located in Washington, DC.

139. Environmental Software and Modeling Group, Technical University of Madrid

http://artico.lma.fi.upm.es

Conducts research in measurement and modelling of air quality, including air quality prediction.

140. Clean Air Society of Australia and New Zealand

http://www.casanz.org.au

Focus is air quality and the mechanics of air pollution. Information about publications, training courses, conferences, and seminars.

141. Environmental Monitoring for Public Access and Community Tracking -- Las Vegas, Nevada

http://www.empact-lv.org/

The Las Vegas Interagency EMPACT Pilot Project will provide public access to clearly communicated, time-relevant, accurate environmental air quality monitoring data on an on-going basis.

142. SEIPH - Environmental Research Group

http://www.seiph.umds.ac.uk/envhealth/ehg.htm

Air Quality monitoring networks of London, Bedfordshire, Kent and Hertfordshire in the UK. Near realtime data is available from the site.

143. Network PM10

http://www.geocities.com/Paris/Rue/5158/pm10.htm

Personally-maintained web site devoted to airborne particulate matter (PM). Links to the sources of information on particulate pollution and more generally air pollution.

144. Industrial Center's Air Toxics Compliance Consortium

http://www.airtoxic.com/

Information on compliance technologies, vendors, and case studies for toxic air pollutants (as defined in U.S. regulations).

145. The Low Emissions Mission

http://members.tripod.com/Waysafe

A free resource for Virginia Vehicle Emissions Inspectors. Includes on-line training, discussions forum, tutorials, and a cartoon archive. Citizens who have failed the emissions inspection can use this site for information on causes and repairs that could lead to a passing emissions result.

146. Cambridge City Air Quality Monitor

http://www.io-ltd.co.uk/ccc.html

Real-time air quality data for Cambridge, England.

Air Quality - Acid Deposition

147. US EPA Acid Rain Home Page

http://www.epa.gov/airmarkets/acidrain/

Information about acid rain, its causes and effects, how we measure acid rain, and what is being done to solve the problem. Includes activities for students.

148. National Atmospheric Deposition Program (NADP/NTN)

http://nadp.sws.uiuc.edu/

The US National Atmospheric Deposition Program operates an acid rain observing network that is used to monitor the chemistry of precipitation for geographical and temporal long-term trends. Quality assured precipitation chemistry data (including acidity) and analyzed maps are available for viewing and downloading.

149. UK Acid Waters Monitoring Network
http://www.geog.ucl.ac.uk/ukawmn/
Monitors the ecological impact of acid deposition in areas of the United Kingdom believed to be sensitive to acidification.

150. What is Acid Rain and What Causes It?
http://www.policyalmanac.org/environment/archive/acid_rain.shtml
A discussion of the causes and effects of acid rain, and possible policy solutions.

151. Acid Rain
http://www.ec.gc.ca/acidrain/index.html
Facts, news, children's resources, and links from Environment Canada.

152. Acid Rain and Deposition
http://royal.okanagan.bc.ca/mpidwirn/atmosphereandclimate/acidprecip.html
A general overview of acid rain and deposition, its causes and effects. The consequences of acid rain in Canada and British Columbia are outlined.

153. Acid Rain--A Contemporary World Problem
http://www.geocities.com/narilily/acidrain.html
This website explores the causes and solutions to the acid rain problem.

154. Effects of Acid Rain on Aquatic Ecosystems
http://www.scar.utoronto.ca/~weather/maryp/Effects/fish.html
Short primer, from University of Toronto.

155. Data and reports on Acid Rain, Atmospheric Deposition and Precipitation Chemistry
http://bqs.usgs.gov/acidrain/
U.S. Geological Survey information resources on acidic deposition in the United States.

Alchemy

156. Alchemy Web and Virtual Library

http://www.levity.com/alchemy/index.html
Comprehensive library of imagery, symbols, music, alchemical texts and commentary. Includes course material in practical alchemy, bibliography, and modern day resources.

157. The Society for the History of Alchemy and Chemistry
http://www.open.ac.uk/Arts/HST/SHAC/index.html
Includes membership information, a schedule of meetings events, educational material and links.

158. The Alchemy Lab
http://www.alchemylab.com/
Alchemy resources.

159. Ages of Alchemy
http://members.tripod.com/~icanseefar/home.html
A comprehensive site intended to establish relevancy for alchemy today, arguing for its inclusion as a true science.

160. Alchemy Lab Web Ring
http://www.alchemylab.com/webring.htm
The Alchemy Lab Web Ring consists of a variety of independent websites devoted to alchemy and the Great Work. The Great Work of the alchemists was nothing less than the perfection of all three levels of reality (the Material, the Mental, and the Spiritual).

161. Skeptic's Dictionary: Alchemy
http://skepdic.com/alchem.html
A skeptical history and definition of alchemy.

162. Different Periodic Table, Includes four unacknowledged elements.
http://www.geocities.com/gemowery/
The Mowery Periodic table challenges the accepted table. Links illustrate the periodic progression of paired Configuration, Components and other measurements.

163. An Alchemists Treasure
http://www.angelfire.com/ga2/splitskull2/index.html
Offers an insightful summary of alchemical philosophy plus original

alchemy texts such as "The Treasure of Treasures" by Paracelsus, "Summi Philosophi et Chemici" by Joachim Tanckivs, and "The Discovery of Secrets" by Abu Musa Djaber.

164. Alchemical Information
http://www.geocities.com:80/ResearchTriangle/Node/7078/index.html
Attempts to reconcile alchemy in modern science.

165. The Alchemists
http://hem.bredband.net/arenamontanus/mage.html
A history of alchemy and alchemists.

166. Alchemy Key
http://www.ormus.ws/~alchemykey
A book about alchemy, initiation and mystery religions throughout history. PDF format.

167. The Alchemy Web Bookshop
http://dspace.dial.pipex.com/alchemy/
Alchemical and hermetic books, CD-ROMs, and colored prints for sale.

Actuarial Science

168. Be An Actuary
http://www.beanactuary.org
Site from the Casualty Actuarial Society and Society of Actuaries devoted entirely to those interested in the actuarial profession. Includes information on suitability for the career, how to become an actuary, life on the job, and a searchable database of job openings.

169. Actuarial Foundation
http://www.actuarialfoundation.org/
Philanthropic organization, sponsoring research, education, and communication initiatives related to the actuarial profession.

170. Actuary.com
http://www.actuary.com
Extensive information on the actuarial field, including tables, jobs, statistical research. Covers life, health, casualty, pensions, and benefits.

171. Actuarial Jokes
http://www.actuarialjokes.com
Over 130 actuarial jokes, submitted by actuaries from all over the world - none of them funny.

172. Actuarial Discussion Forum
http://pub12.ezboard.com/bactuarial18384
A discussion board for actuaries, those who want to be an actuary, and anyone interested in insurance, finance and business application of math and economics.

173. Actuarial Links for Actuaries
http://actuarialrecruiter.com
Actuarial resources for math, statistics and other majors. Includes actuary chat, salary surveys, clubs, jokes, links, study materials, and other useful information.

174. Actuarial Education Research Fund (AERF)
http://www.aerf.org
Promotes independent actuarial research within all aspects of the actuarial profession in Canada, Mexico and the United States.

Algebra

175. Math Forum: Algebra Problem of the Week
http://mathforum.org/algpow/
A weekly interactive project for algebra on the Internet. Challenging problems are posted and solutions appear on the Web.

176. Elements of Abstract and Linear Algebra, by Edwin H. Connell
http://www.math.miami.edu/~ec/book/
Full online book on abstract algebra with emphasis on linear algebra. Format: DVI, PDF, PS and gzipped-PS.

177. Abstract Algebra Online
http://www.math.niu.edu/~beachy/aaol/
Contains many of the definitions and theorems from the area of mathematics generally called abstract algebra. Intended for undergraduate

students taking an abstract algebra class at the junior/senior level, as well as for students taking their first graduate algebra course.

178. A Catalogue of Lattices
http://www.research.att.com/~njas/lattices/
By Gabriele Nebe and Neil Sloane.

179. Abstract Algebra
http://www.maths.tcd.ie/~dwilkins/Courses/311/
Lecture notes by David Wilkins, Trinity College, Dublin. Topics in Number Theory; Group Theory; Galois Theory.

180. Algebraic Areas of Mathematics
http://www.math.niu.edu/~rusin/knownmath/index/tour_alg.html
Topics include number theory, groups and sets, commutative rings, algebraic geometry, and linear algebra.

181. Abstract Algebra: The Basic Graduate Year
http://www.math.uiuc.edu/~r-ash/
A downloadable text in abstract algebra at the beginning graduate level by Robert Ash.

182. Abstract and Linear Algebra
http://www.math.miami.edu/forum/algebra/
A forum for students on abstract algebra and linear algebra.

183. Intro to Abstract Algebra
http://www.math.umn.edu/~garrett/m/intro_algebra/index.shtml
Paul Garrett's detailed and comprehensive lecture notes in abstract algebra.

184. Algebra Links
http://www.spartanburg2.k12.sc.us/links/algebra.htm
From Spartanburg County School District Two.

185. Quantum Lie Algebras
http://www-users.york.ac.uk/~gwd2/q-lie.html
Current status of research on Quantum Lie algebras and bibliography. Includes Mathematica notebooks for calculations and animations of quantum root systems.

186. Algebra Bibliography
ftp://pell.anu.edu.au/pub/bib/
Available by FTP in BibTeX format.

Algebraic Geometry

187. Algebraic Geometry
http://www.math.byu.edu/People/links/jarvis/alg-geom.html
_Links and list of algebraic geometers.
188. Algebraic Curves
http://www.geom.umn.edu/docs/reference/CRC-formulas/node33.html
An overview.
189. The Cubic Surface Homepage
http://enriques.mathematik.uni-mainz.de/csh/
Images, software, links. At the University of Mainz, Germany.
190. Introduction to Algebraic Geometry
http://www.math.purdue.edu/~dvb/algeom.html
Illustrated web notes by Donu Arapura.
191. Algebraic Functions and Projective Curves
http://www.functionfields.org/
Home page of the book by David Goldschmidt. Full text (registration required), errata, discussion forum.
192. Algebraic Geometry Notebooks for Non-Experts
http://www.geocities.com/algnotes/
By Aksel Sogstad. Short introductory sketch of some topics in the algebraic geometry of curves.
193. Algebraic Curves
http://www.math.berkeley.edu/~coleman/Courses/00/curves.html
Lecture Notes from H.W. Lenstra's course Math 274, Berkeley 1995.

Analysis

194. Harmonic Analysis
http://www.math.ucla.edu/~tao/harmonic/
Maintained by Terence Tao, UCLA. Lists events, personal pages, preprints, research groups, other links.
195. Computability and Complexity in Analysis Network
http://www.informatik.fernuni-hagen.de/import/cca/
CCA Net aims to provide a central location for collecting information useful to researchers working in the field.

196. Handbook of Analysis and its Foundations (HAF)
http://www.math.vanderbilt.edu/~schectex/ccc/
Eric Schechter (AP, 1996) available in printed and CR-ROM editions. Preface, table of contents and other excerpts.

197. The International Society for Analysis, its Applications and Computation (ISAAC)
http://www.math.udel.edu/isaac/
Established in 1994 to promote and advance analysis, its applications, and its interaction with computation. Meetings, lists.

198. An Introduction to the Gauge Integral
http://www.math.vanderbilt.edu/~schectex/ccc/gauge/
Discusses the properties of an alternative integration theory, and its relationship with the Riemann and Lebesgue integrals.

199. Working Group on Generalized Convexity
http://www.ec.unipi.it/~genconv/
An interdisciplinary group of scholars from operations research, economics, engineering, applied sciences, mathematics, statistics, among others, with an interest in generalizations of the classical concept of a convex function.

200. Open Problems in Linear Analysis and Probability
http://www.math.tamu.edu/research/workshops/linanalysis/problems.html
Problems taken from workshop lectures given at Texas A&M University.

201. Advanced Calculus and Analysis
http://www.maths.abdn.ac.uk/~igc/tch/ma2001/notes/notes.html
Lecture notes from the University of Aberdeen for a first course in Analysis.

202. Measure Theory
http://www.essex.ac.uk/maths/staff/fremlin/mt.htm
D.H.Fremlin (Aug. 2001), University of Essex. Includes table of contents.

203. Unsolved Problems in Function Theory
http://www.math.purdue.edu/~eremenko/uns.html
Notes by Alexandre Eremenko.

204. Some Unsolved Problems
http://www.math.unibas.ch/~winkel/problem.html
Mainly in analysis. By Jrg Winkelmann.

205. Constructive Approximation Open Problems
http://www.cecm.sfu.ca/personal/pborwein/CA_MOSAIC/CA_problems.html
Research problems section of the journal, edited by Peter Borwein, Albert Cohen, Ingrid Daubechies and Vilmos Totik. Includes problem statement (PostScript) and discussion.

Analytical Chemistry

206. AnalyticaChina 2002
http://www.analyticachina.com/
International trade fair for analysis, biotechnology, diagnostics and laboratory technology, for the first time held in China; New International Expo Center Pudong, Shanghai.

207. Eastern Analytical Symposium Inc.
http://www.eas.org/
Exhibition, workshops, PDF download of program, registration details for four day meeting in Somerset, New Jersey.

208. Analytica
http://www.analytica.de/index_engl.html
Details of annual trade fair and conference for analytical research and development, held in Munich, Germany.

209. Quantifying Uncertainty in Analytical Measurement
http://www.measurementuncertainty.org/
The CITAC/ Eurachem supports laboratories evaluating measurement uncertainty with this site and with the recently published guide. A forum section informs about recent developments from St. Gallen, Switzerland.

210. EuroSpec
http://www.eurospec.org/
International spectroscopic data bank and archive project for spectroscopic and associated data, from peer reviewed publications, with link to the chemical abstracts register. Started on January 1st 2002, in Dortmund, Germany.

211. An Introduction to Signal Processing in Chemical Analysis
http://www.wam.umd.edu/~toh/spectrum/TOC.html
Web-based tutorial on digital signal processing in analytical chemistry, with student assignments and downloadable signal processing program from Department of Chemistry and Biochemistry, University of Maryland.

212. Encyclopedia of Analytical Chemistry
http://www.wiley.co.uk/wileychi/eac/
Promotional pages with contents of a 15 volume set on applications, theory, and instrumentation, and other articles. Worldwide contributors, edited by Robert A. Meyers, published in 2000 by Wiley, UK.

213. DIAC and Difference Projects
http://www.dioxins.nl/
Two research projects for method development and validation, focusing on GC-MS and screening techniques, reference materials for dioxins and PCBs, funded by the EU in The Netherlands.

Anthropology

214. Anthrotech: Fusion of Anthropology and Cyber Technology
http://anthrotech.com/
Provides web resources for the anthropological community and general public. Services include Web site design and a searchable directory of related resources.

215. NSF Anthropology Program
http://www.nsf.gov/sbe/bcs/anthro/start.htm
The National Science Foundation's research initiative to promote basic scientific research on the causes and consequences of human social and cultural variation. Features grants and awards information, staff directory, and history of the program.

216. Anthro.Net Research Engine
http://www.anthro.net/
Search engine of web sites and bibliographic references for anthropology, archaeology, linguistics and related social sciences.

217. Council for the Preservation of Anthropological Records

http://copar.asu.edu/
An organization that encourages the preservation and use of research records. Features information on grants and workshops and provides access to the National Guide to Anthropological Records database.

218. Anthropology Tutorials
http://anthro.palomar.edu/tutorials/
Lessons on various topics in cultural and physical anthropology. Includes glossaries, practice quizzes, and lists of related links.

219. Anthropological Center for Training
http://www.indiana.edu/~act/
A research group at Indiana University, Bloomington that focuses on the human dimensions of global environment change. Features information on training, an online newsletter, and provides a list of publications.

220. Center for Human Origin and Cultural Diversity
http://chocd.umsl.edu/
An outreach program at the University of Missouri-St. Louis that offers instruction to people of all ages in both cultural and physical anthropology. Site features lesson plans and educational resources.

221. The Big Picture
http://bruceandmelissa.com/
Nationally syndicated anthropological radio show on public radio that takes a lighthearted look at everyday life across time and cultures. Includes a station locator and sample programs.

222. Anthropological Studies Center
http://www.sonoma.edu/projects/ASC/
A non-profit center at Sonoma State University dedicated to cultural resources management, education, research, and public service.

223. Anthropology: Introduction to a Broad Discipline
http://www.geocities.com/culture_health/anthro.html
Provides a description of the sub-disciplines of biological and social anthropology. Also offers information on medical anthropology. Features articles and links to related resources.

Applied Anthropology

224. Resources For Ecological Anthropology
http://www.ic.arizona.edu/~lansing/home.htm
Information on water management projects in Bali and the United States, plus free software developed for those projects.

225. BARA
http://bara.arizona.edu/overview.htm
The Bureau of Applied Research in Anthropology (BARA) is research institution at the University of Arizona that seeks to apply social science knowledge toward an enhanced understanding of real-world problems. Offers training information, descriptions of publications and projects.

226. Praxis Research Associates
http://www.cyberus.ca/~praxis/home.shtml
A social science consulting firm specializing in aboriginal issues in Canada. Offers staff profiles, descriptions of projects, as well as contact information and a list of clients.

Applications of Mathematics

227. ICIAM
http://www.iciam.org/
International Council for Industrial and Applied Mathematics. Organizers of the quadrennial ICIAM meetings. Details of past, future and related events.

228. MACSI-net
http://www.macsinet.org/
An initiative of twenty university nodes and over eighty industrial nodes from fourteen European countries to form an open network for the advancement of Mathematics, Computing and Simulation for industry. Site lists events, working groups and publications.

229. MathFIT - Mathematics for IT
http://www.mathfit.ac.uk/
Research grants, visiting fellowships, networks, workshops and summer

schools, supporting high-quality interdisciplinary research in the UK at the interface between mathematics and computer science.

230. ANZIAM
http://www.austms.org.au/Anziam/
Australian and New Zealand Industrial and Applied Mathematics. A division of the Australian Mathematical Society.

Arachnology

231. Arachnology
http://www.ufsia.ac.be/Arachnology/Arachnology.html
Index to more than 1000 web sites related to arachnids.

232. Arachnodata
http://www.arachnodata.ch/
Information and consulting agency for scorpions and other arachnid animals.

233. British Arachnological Society
http://www.salticus.demon.co.uk/bas/
Promotes study of the Arachnida, particularly spiders, pseudoscorpions, and harvestmen.

234. American Arachnological Society
http://www.americanarachnology.org/
Society information, articles from recent issues of the Journal of Arachnology, graduate study program list, ask-an-expert, arachnid photos, Brown Recluse ID, and links.

235. David Richman's Site
http://taipan.nmsu.edu/people/richman/dbr.html
Information about Arachnida research and photos of spiders and scorpions.

Archaeoastronomy

236. Aboriginal Star Knowledge

http://www.kstrom.net/isk/stars/starmenu.html
Native American Astronomy, with a focus on Lakota star knowledge.

237. Astronomy in Japan
http://www2.gol.com/users/stever/jastro.html
Astronomy in Japan with a lot of information on Japanese Star lore and astronomical history.

238. Center for Archaeoastronomy
http://www.wam.umd.edu/~tlaloc/archastro/index.htm
Founded in 1978 at the University of Maryland to advance research, education and public awareness of archaeoastronomy.

239. Ancient Astronomy
http://www.astronomy.pomona.edu/archeo/index.html
An interactive atlas of the world links to the archaeoastronomy and multicultural cosmology of ancient times.

240. ISAAC - International Society for Archaeoastronomy and Astronomy in Culture
http://www.wam.umd.edu/~tlaloc/archastro/isaac.html
Contact details for this international academic society.

241. Archaeoastronomy
http://WWW.BLUHORIZONLINES.ORG/
Introduction to Irish megalithic complexes; includes future astronomical sight times.

Archaeobotany

242. Vegetation History and Archaeobotany
http://link.springer.de/link/service/journals/00334/index.htm
The Springer Journal Vegetation History and Archaeobotany covers the entire field of vegetation history - mainly the development of flora and vegetation during the Holocene and Pleistocene.

243. Archaeobotanical Reports from Iran
http://www.sas.upenn.edu/~nmiller0/iran.html
Bibliographies compiled by Naomi Miller.

244. Archaeobotanical Reports from Central Asia
http://www.sas.upenn.edu/~nmiller0/casia.html
Bibliographies compiled by Naomi Miller.

Archaeology

245. About.com: Archaeology
http://archaeology.about.com/
Articles and directory of Internet sites, including a world atlas of archaeology on the web.

246. The Archaeology Channel
http://www.archaeologychannel.org/
Archaeology and related subjects presented through streaming media by the Oregon-based Archaeological Legacy Institute. Videos can be viewed on-line and purchased.

247. Archaeology Info
http://www.archaeologyinfo.com/
Covers significant discoveries from archaeology about human origins. Illustrated descriptions of hominids, with references. Articles, images, bookstore and links.

248. Archaeology Pages
http://www.jqjacobs.net/anthro/
Archaeology related articles and galleries by James Q. Jacobs, covering archaeogeodesy, prehistory, paleoanthropology, the Andes, Mesoamerica, American Southwest and rock art.

249. Public Archaeology
http://www.publicarchaeology.com/
Provides information and candid advice about public archaeology to students, professionals, and educators. Features discussion forum on contemporary issues in archaeology and how to communicate with the public.

250. Archaeology: An Introduction: An Online Companion
http://www.staff.ncl.ac.uk/kevin.greene/wintro/
Kevin Greene's selection of Internet links to supplement the 4th edition of his book, by chapter and section, with alphabetical index.

251. Bibliographies for Anthropological Research
http://www.mtsu.edu/~kesmith/TNARCHNET/Pubs/Res_Bib.html
Tennessee Archaeology Net provides categorized bibliographies.

252. What is Archaeology?
http://www.usd.edu/anth/midarch/arch.htm
An illustrated introduction from the Department of Anthropology at the University of South Dakota.

Archaeometry

253. Berkely Archaeological X-Ray Flourescence Laboratory
http://obsidian.pahma.berkeley.edu/
Focuses on obsidian sourcing. Includes information on technology used and fees.

254. Ancient Technologies and Archaeological Materials
http://www.uiuc.edu/unit/ATAM/index.html
Research program of the University of Illinois. Newsletter, seminars, and the International Symposium on Archaeometry.

255. Metallography
http://www.metallography.com/
Informational clearinghouse for practicing metallographers and technicians.

256. Society for Archaeological Sciences
http://www.socarchsci.org/
Professional society of scholars applying methods from the physical sciences to archaeology. Links to many archaeometry sources, society officers and publications, and a related mailing list.

257. Teaching Archaeometry
http://www.uiuc.edu/unit/ATAM/teach/home.html
Resources for the teaching of archaeometry and archaeological science including course syllabi, a forum on related issues, and related links.

258. Materials Science-Based Archaeology Group
http://users.ox.ac.uk/%7Esalter/
Oxford University research group studying all aspects of the metallurgical process, from smelting to metal finishing, and from the first use of alloys in the 5th/4th millennia BC to the Industrial Revolution.

Architecture

259. Archinform
http://www.archinform.net/start.htm
International architectural database with over 8000 built and unbuilt projects. 20th-century architecture is the main theme.

260. The Fat Channel
http://www.fat.co.uk
Brings you architecture, fine art, and urban speculations. Architecture for the Airbag Generation.

261. Archinet
http://www.archinet.co.uk/
Internet service for architects and the construction industry. News, building reviews, competitions, jobs.

262. Archiseek
http://www.archiseek.com/
An architecture directory by the team who created Archeire, with the bonuses of planning news, architectural competition announcements, some European city guides and forums.

263. Design4Design
http://www.design4design.com/
Online resource centre for professionals in the architecture and interior design industries. News, events, features and listings.

264. Archibot
http://www.archibot.com
Architecture portal and meta search engine powered by Mamma. Includes select list of online resources, forum and news headlines from around the net.

265. Architecturecafe
http://www.architecturecafe.com
An international architecture portal available in six languages. News, listings and links to institutions, organizations, firms, events and competitions.

266. Architecture for Humanity
http://www.architectureforhumanity.org/
A volunteer non-profit organization set up to promote architecture and design to seek solutions to global social and humanitarian crisis.

Architecture - Education

267. Association of Collegiate Schools of Architectue
http://www.acsa-arch.org/
Information on architecture schools, architectural conferences, student competitions and architectural education in general. Site has advice for prospective architecture students and bulletin board for members.

268. Architecture Research Institute
http://www.architect.org/
A non-profit, New York-based educational organization working to make cities livable. Mission, publications, large bibliography by topic, news, searchable links collection.

269. Earthwood Building School
http://www.cordwoodmasonry.com/
Workshops in West Chazy, New York by Rob and Jaki Roy in cordwood masonry and earth sheltered housing.

270. Cybernini
http://www.uwm.edu/VIRCOM/cyberni.html
Forum/journal that speculatively explores the future relationships between architectural education and emergent technology.

271. Architectural Exam
http://www.ARE-solutions.com/
Norman K. Dorf offers a study guide for the Graphic Divisions of the

Architect Registration Exam (US): list of contents and samples on-line. Also a home study course and workshops: dates and details.

272. Architectstudent Net
http://www.architectstudent.net/
Resource site for students of architecture, with news, events calendar, articles and an area in which to publish portfolios.

Area Studies

273. WWW Virtual Library: International Affairs Resources
http://www.etown.edu/vl/
Over 2000 annotated links in a range of international affairs topics.

274. Country Studies - The Library of Congress
http://lcweb2.loc.gov/frd/cs/cshome.html
Online series containing studies of 91 countries.

275. Countries of the World
http://www.theodora.com/wfb/
10 years of world facts from the CIA World Fact Book, United Nations Statistical Office, Library of Congress Country Studies and other sources. Features calculated country ranks, maps, country and airport codes.

276. Globastat
http://www.globastat.com
Country rankings based on CIA World Factbook data, in more than 140 categories, with economic, demographic, communications, military, and other statistics.

277. World Area Studies Internet Resources
http://www.wcsu.ctstateu.edu/socialsci/area.html
Portal hosted by Western Connecticut State University, Department of Social Sciences features links to resources related to area studies.

278. Culturelink Network
http://www.culturelink.org/
Network of networks for research and cooperation in cultural development. Features databank of regional policies, institutions, and

resources; current publications and research; membership and participation information.

279. MSU Global Access
http://www.msuglobalaccess.net
Search engine from Michigan State University features access to courses, maps, news, data sources, and current research. Database is sorted by region, country, thematic area, constituency group, and resource type.

280. Institute for Global Studies
http://www.jhu.edu/~igscph/
A research unit at Johns Hopkins University that specializes in the study of global power, culture, and history. Features newsletter, calendar of events and program information.

281. Post-Colonial Studies
http://www.emory.edu/ENGLISH/Bahri/Intro.html
An overview article that includes a discussion of important authors in the field.

Arthropoda

282. Urban Entomology by Walter Ebeling
http://www.entomology.ucr.edu/ebeling/
Online book (published 1975) discusses arthropod pests found in the urban environment and home, including insects and other arthropods that bite, attack materials, cause allergies, and/or are parasitic on people and pets.

283. Sonoran Arthropod Studies Institute
http://www.sasionline.org/
Insects, arachnids, and other arthropods that affect the Sonoran ecosystem. Located in Tucson, Arizona.

284. Scientific Reference Resources
http://www.sciref.org/
Publishes monthly catalogues of scientific literature: publishes Arthropod Endocrinology News, the Directory of Arthropod Endocrinologists, and New Entomological Taxa. Also includes other scientific resources.

285. Invertebrate Anatomy
http://v/ww.lander.edu/rsfox/invertanat.html
A library of anatomical descriptions and dissection guides by Richard Fox of Lander University. Emphasis on southeastern United States species.

Artificial Intelligence

286. BotSpot
http://www.botspot.com/
Including intelligent agents, data mining, knowledge discovery, artificial intelligence. Biweekly newsletter available.

287. Kurzweil Accelerating Intelligence Network
http://www.kurzweilai.net
KurzweilAI.net explores trends in emerging technologies in the 21st century. Also, it attempts to showcase leading technologies in AI and related fields.

288. CMU Artificial Intelligence Repository
http://www-2.cs.cmu.edu/afs/cs.cmu.edu/project/ai-repository/ai/html/air.html
Artificial Intelligence Repository at Carnegie Mellon.

289. Bibliographies on Artificial Intelligence
http://liinwww.ira.uka.de/bibliography/Ai/
Part of the Collection of Computer Science Bibliographies, is searchable and browseable.

290. SIGART Electronic Information Services
http://www.acm.org/sigart/
SIGART is the ACM Special Interest Group on Artificial Intelligence.

291. The Loebner Prize
http://www.loebner.net/Prizef/loebner-prize.html
Site of the annual Turing Test contest.

292. Generation5.org
http://www.generation5.org/
Essays, interviews and original programs, code, and news bulletins.

293. Context in AI
http://context.umcs.maine.edu/
A contact point on the Web for researchers who are interested in the many roles of context in artificial intelligence.

294. Neuron AI Directory: Artificial Intelligence resources
http://www.neuron.co.uk/
General AI directory.

Artificial Life

295. New Scientist: AI and A-Life
http://www.newscientist.com/hottopics/ai/
A authoritative guide to the topics from the UK science magazine.

296. Artificial Life OnLine 2.0
http://www.alife.org/
An Artificial Life Community, combining different information resources on both the academic and amateur alife research.

297. Biota.org
http://www.biota.org/
A group project exploring living 3D asthetic worlds.

298. EvoWeb - European Network of Excellence in Evolutionary Computing
http://evonet.dcs.napier.ac.uk/
Comprehensive information resources for the field of evolutionary computing.

299. Artificial Life Links
http://www.alcyone.com/max/links/alife.html
Erik Max Francis' categorized list of links to sites regarding artificial life and related fields.

300. Artificial Life Guide
http://www.webslave.dircon.co.uk/alife/
Stewart Dean's introduction to artificial life.

301. Computer Simulation of Societies

http://www.soc.surrey.ac.uk/research/simsoc/simsoc.html
A library of links maintained by the Centre for Research on Simulation in the Social Sciences, University of Surrey.

Asteroids

302. Asteroid Radar Research
http://echo.jpl.nasa.gov/
NASA JPL asteroid research using radar. Introduction, scientific activity, asteroid images.

303. Views of the Solar System: Asteroid Introduction
http://www.solarviews.com/eng/asteroid.htm
Background information, details on selected asteroids, image gallery.

304. Impacts Into Asteroids
http://www.es.ucsc.edu/~asphaug/
Theoretical studies of impacts of one asteroid into another, and tsunami effects of an asteroid impact on Earth.

305. Association of Lunar and Planetary Observers: Minor Planets Section
http://www.lpl.arizona.edu/~rhill/alpo/minplan.html
Magnitude alert project, finder charts, visual observing of minor planets.

306. Asteroids
http://whyfiles.org/074asteroid/
Several basic questions and detailed answers.

307. European Asteroid Research Node
http://www.astro.uu.se/planet/earn/
Association of European research groups active in asteroid research. Links to member sites and resources useful for asteroid research.

308. Orrery: Asteroids
http://www.harmsy.freeuk.com/asteroids.html
Basic information about asteroids, history of asteroid discovery, Bode's Law.

309. NASA JPL Solar System Visualization: Asteroid Movie Clips
http://www-ssv.jpl.nasa.gov/SSV/ast_clips.html
A collection of animations produced by NASA for various projects.

Astrobiology

310. Astrobiology at NASA
http://astrobiology.arc.nasa.gov/
Astrobiology is the study of the origin, distribution, and destiny of life in the universe. It uses multiple scientific disciplines and space technologies to address fundamental questions of the origins of life.

311. NASA Astrobiology Institute
http://nai.arc.nasa.gov/
A partnership between NASA and other research organizations to conduct and lead integrated multidisciplinary research in astrobiology, the study of life in the universe.

312. NASA's Origins Program
http://origins.jpl.nasa.gov/
This program at JPL seeks to answer the fundamental questions about the Universe: Where do we come from? Are we alone?

313. Harvard OEB
http://www.oeb.harvard.edu/
Department of Organismic and Evolutionary Biology at the Museum of Comparative Zoology. Researches and teaches "biology with a global perspective."

314. New Scientist Astrobiology
http://www.newscientist.com/hottopics/astrobiology/
New Scientist's second Millennium Special focuses on the search for life beyond Earth. Part of the Hot Topics section.

315. Astrobiology Magazine
http://www.astrobio.net/news/index.php
E-zine on life beyond Earth and origin of life. Includes news articles, reference material, and forums.

316. The Astrobiology Web
http://www.astrobiology.com/
An online guide to the origin, evolution, and distribution of life in the Universe as well as all other aspects of space exploration.

Astrology

317. AstroAdvice
http://www.astroadvice.com/
Bulletin board, and sections on career, love and 'all about you'. Free membership.

318. Elysian Astrology and New Age Shop Online
http://www.elysian.co.uk/
Lessons, articles, Ask an Astrologer and FAQs, together with new age features and online shop for astrology reports, new age music, videos and gifts.

319. Astrodienst
http://www.astro.com/
Offers a large selcection of charts, horoscopes and information. A database of over 200,000 cities with complete timezone and daylight savings time information.

320. AquarianAge
http://www.aquarianage.org/
Features articles, astrologer directory and mini hosted sites, with shopping areas and free e-postcard server.

321. Astropro
http://www.astropro.com/
Richard Nolle's site with articles, world predictions, directory of links, celebrity data, WOW website award centre, events listings and a variety of chart services.

322. Panplanet
http://www.panplanet.com/
Home of the Canopus Academy of Astrology. Free lessons for beginners, ongoing qualifying, courses, articles, books, mailing list and other columns.

Astronomy

323. Eric Weisstein's World of Astronomy
http://scienceworld.wolfram.com/astronomy/
A web encyclopedia. Over 500 entries, ranging from definitions to full articles.

324. Infrared Astronomy
http://www.ipac.caltech.edu/Outreach/Edu/
All about infrared astronomy from NASA's infrared astronomy center: Discovery of infrared, what is infrared and infrared astronomy, history, the infrared universe, gallery, activities, discoveries, missions and a lot of links to IR astronomy sites.

325. AstroWeb
http://www.stsci.edu/science/net-resources.html
Astronomical Internet resources by the Space Telescope Science Institute.

326. Astronomy Net
http://www.astronomy.net/
Resources, searchable forums and searchable lists of organizations providing astronomy services.

327. Astronomy Education and Outreach
http://casswww.ucsd.edu/public/astroed.html
General astronomy tutorial, education links, web courses, documents at the UCSD Center for Astrophysics and Space Sciences.

328. An Atlas of the Universe
http://anzwers.org/free/universe/
Contains 3D maps of the universe zooming out from the nearest stars to the scale of the galaxy and out to the surrounding superclusters and finally to the scale of the known universe.

329. Absolute Astronomy
http://www.absoluteastronomy.com/
Facts and statistical information about planets, moons, constellations, stars, galaxies, and Messier objects.

330. Astronomy Today
http://www.astronomytoday.com/
Articles on astronomy, cosmology and space exploration, with a regularly updated sky guide and the latest space news.

Astronomy - Education

331. Windows to the Universe
http://www.windows.ucar.edu/
An extensive astronomical learning system. Articles available at three levels: beginner, intermediate, advanced.

332. Earth and Moon Viewer
http://www.fourmilab.ch/earthview/vplanet.html
View the earth and moon from many vantage points and in multiple ways.

333. Earth and Sky
http://www.earthsky.com/
Home of the popular international science radio program Earth and Sky.

334. Astronomy Picture of the Day's Educational Links
http://antwrp.gsfc.nasa.gov/apod/lib/edlinks.html
A list of resources that excel in astronomy education. Each is distinctly different, having been chosen to highlight a wide range of interests.

335. Space.com
http://uplink.space.com/ubbthreads.php
Message board, including sections for ask an astronomer, SETI, and space business.

336. Universe in the Classroom
http://www.astrosociety.org/education/publications/tnl/tnl.html
A free quarterly educational newsletter published by the ASP for teachers, youth group leaders, librarians, and anybody else who wants to help children of all ages learn more about the wonders of the universe. It is available either in printed form or electronically here on our website.

Astronomy - Amateur

337. Bad Astronomy

http://www.badastronomy.com/
Devoted to debunking myths and misconceptions in Astronomy.

338. Curious About Astronomy?: Ask an Astronomer
http://curious.astro.cornell.edu/index.php
Question and answer archive including information on the solar system, the universe, SETI, observational astronomy, careers and history. Offers the user a chance to have their question answered.

339. The Astronomy Cafe
http://itss.raytheon.com/cafe/cafe.html
Includes over 3000 astronomy FAQs, details of the associated book and CD-ROM, a careers guide, and astronomy articles and essays.

340. The Astro Pages
http://theastropages.com
Astronomy and space news, links, articles, photos, tutorials, telescope making, polls, screensavers, and discussion groups for the amateur.

341. Backyard Astronomy
http://www.backyardastronomy.com
Supplement to the book. Contains updates to the book, product reviews and recommendations.

342. Astronomical Calculations
http://www.btinternet.com/~kburnett/kepler/
Calculations including coordinate conversion, position and circumstances of the Moon; positions of the planets.

343. The Edge of Nowhere
http://www.edgenowhere.com
Astronomy information for any astronomer, including interactive pictures, descriptions, and an online store for purchasing pictures featured on this site.

344. The Silicon Sky
http://siliconsky.com
Site dedicated to the amateur astronomer. Online resources, including a live feed from NASA's news database; essays on solar observing, extrasolar planets, and interplanetary travel.

345. Galaxies.com
http://www.galaxies.com/
Contains a gallery of photographs and CCD images, message center, greeting cards, calendars of events in the sky, and lots of other astronomical information.

346. How To Learn Astronomy
http://www.projectsandhobbies.com/howtolearnastronomy.htm
Information on how to get started in Astronomy as a hobby.

Astrophysics

347. The Astrophysical Journal
http://www.journals.uchicago.edu/ApJ/
Devoted to recent developments, discoveries, and theories in astronomy and astrophysics.

348. Space Physics Textbook
http://www.oulu.fi/~spaceweb/textbook/
A free online textbook on space physics.

349. You Be the Astrophysicist
http://imagine.gsfc.nasa.gov/YBA/yba-intro.html
Interactive site for learning about astronomy and astrophysics.

350. WWW Virtual Library - Astronomy and Astrophysics
http://webhead.com/WWWVL/Astronomy/
Provides links to online information about astronomy and astrophysics.
351. Physics 208 - Introduction to Astrophysics
http://zebu.uoregon.edu/~imamura/astro.208.html
Course offered via The Electronic University, an educational outreach server at the University of Oregon.

352. On the Formation of Planetary Rings
http://wwwastro.physics.uiowa.edu/~lam/research/rings/
Paper presented in 1996 by L. A. Molnar and D. E. Dunn.

Atmospheric Physics

353. Space Weather Resources

http://space.rice.edu/ISTP/
Very large, categorized collection of links related to the interaction of solar wind and the magnetosphere.

354. 1976 Standard Atmosphere Calculator
http://www.digitaldutch.com/atmoscalc/index.htm
The online 1976 standard atmosphere calculator computes atmospheric properties like density, temperature, pressure and speed of sound up to 86 kilometers altitude. Graphics and a table generator are included.

355. NCAR CEDAR
http://cedarweb.hao.ucar.edu/
An online database of upper atmosphere, weather, and model data.

356. Why is the Sky Blue?
http://www.sky-watch.com/articles/skyblue.html
Why is the sky blue in language that everyone can understand.

357. NASA Ames Research Center
http://geo.arc.nasa.gov/sgp.html
The mission of the Atmospheric Physics Branch (SGP) is to advance the scientific knowledge and understanding of the physical processes that determine the behavior of the atmosphere on earth.

Avionics

358. Aircraft Electronics Association
http://www.aea.net/
International organization of avionics and instrument facilities working with manufacturers, government and air carriers to promote standardization and increased efficiency within the aviation electronics industry.

359. Spacecraft Avionics
http://www.spaceavionics.com/
Tutorial describing spacecraft avionics theory, applications and possible architectures.

Aquatic Ecology

360. Aquatic Network
http://www.aquanet.com/
Aquatic world information on aquaculture, conservation, education, fisheries, limnology, oceanography, ocean engineering, maritime heritage, and seafood. Online store.

361. Aquatic Ecology Page
http://www2.netdoor.com/~pinky/aquatic.htm
Guide to aquatic life and ecology resources on the Internet, with sections on algae, plants, animals and aquatic ecosystems.

362. Environment Canada: Aquatic ecosystems
http://www.ec.gc.ca/water/en/nature/aqua/e_aqua.htm
Part of the Fresh Water web site.

363. Research Group of Experimental Zooplankton Ecology
http://haavi.fimr.fi/ezeco/
A research group in Finland; studies on zooplankton, cyanobacteria, fish and blue mussels in the Baltic Sea -- staff, projects, publications.

B

Biology

Biochemistry and Molecular Biology

364. Protein Data Base Educational Resources
http://www.rcsb.org/pdb/education.html
Directory of educational sites that are appropriate for many ages, including elementary and post-graduate students.

365. The Biology Project: Biochemistry
http://www.biology.arizona.edu/biochemistry/biochemistry.html
Problem sets, links, and interactive activities.

366. The Biology Project: Molecular Biology
http://www.biology.arizona.edu/molecular_bio/molecular_bio.html
Problem sets and tutorials on nucleic acid, recombination and expression, with emphasis on genetics of prokaryotes, at the University of Arizona.

367. NetBiochem
http://www.auhs.edu/netbiochem/NetWelco.htm
Offers topic tutorials, tables and graphics. Authored by James Baggot and Sharon E. Dennis.

368. Biochemistry and Molecular Biology Education
http://www.bambed.org/
Journal launched to promote educational aspects, with short reviews, preparation for lectures, seminars, student presentations and laboratory experiments from Stanford University.

369. Beginner's Guide to Molecular Biology
http://www.rothamsted.bbsrc.ac.uk/notebook/courses/guide/
An overview of the Central Dogma of molecular biology. Includes links to other sites, pictures, and Rasmol files.

370. Medical Biochemistry
http://www.isu.indstate.edu/thcme/mwking/home.html
Comprehensive topic list in general and medical biochemistry. Includes links to other related teaching pages as well as sites with resources for the research scientist.

371. Molecular Biology
http://www.blc.arizona.edu/marty/411/Modules/F00modules.html
Notes from an introductory course on this subject, with multiple choice quiz questions.

372. Biochemistry Resources
http://www.usm.maine.edu/~rhodes/Biochem/
Resources for student and teachers of college level biochemistry courses, including demonstrations, learning strategies, classroom graphics, and sample course outlines.

373. Medical Biochemistry
http://web.indstate.edu/thcme/mwking/subjects.html
Detailed presentation of numerous biochemistry topics from Indiana St. Univ.

Biology - Education

374. The Why Files
http://whyfiles.org/
Well-researched, educational descriptions of the actual science behind current news stories. From the University of Wisconsin, supported by the National Institute for Science Education of the NSF.

375. The MAD Scientist Network
http://www.madsci.org
Ask-A-Scientist, fun educational activities, and information resources - from Washington Univ.-St. Louis.

376. BioInteractive
http://www.biointeractive.org/
Interactive virtual labs, animations, and web videos through which one can learn about various aspects of biology. Also offers a virtual museum.

377. Neuroscience for Kids
http://faculty.washington.edu/chudler/neurok.html
Intended for elementary and secondary school students and teachers who are interested in learning more about the nervous system and brain.

378. NBII Educational Resources
http://www.nbii.gov/education/index.html
Links to biological resources and information of interest to teachers, students, and others categorized by educational level from K thru college - from the National Biological Information Infrastructure.

379. Action Bioscience
http://www.actionbioscience.org
Examines the condition of bioscience literacy through current issues on environment, biodiversity, genomics, biotechnology, evolution, and biology. Peer-reviewed articles are accepted from scientists and educators.

380. The Biology Project
http://www.biology.arizona.edu/
Excellent tutorials and problem sets for learning Biochemistry, Cell

Biology, Developmental Biology, Human Biology, Molecular Biology, Mendelian Genetics, and Immunology from The University of Arizona.

381. Digital Anatomist Interactive Atlases
http://www9.biostr.washington.edu/da.html
Interactive Atlases show views of organs reconstructed from slices.

382. Inner Learning
http://www.innerbody.com/
Welcome to human anatomy on-line, a place for fun, interactive and educational views of the human body.

383. An Online Biology Textbook
http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/
Excellent introductory biology text adapted from print version by Dr. John W. Kimball, retired from Harvard Univ.

384. Ben BiosciEdNet
http://www.biosciednet.org/
Extensive digital library of biological resources for biology teaching and research at all educational levels. Requires a free registration.

Developmental Biology

385. The WWW Virtual Library: Developmental Biology
http://sdb.bio.purdue.edu/Other/VL_DB.html
Section of the WWW Virtual Library devoted to developmental biology and embryology; maintained by the Society for Developmental Biology.

386. Zygote
http://zygote.swarthmore.edu/
A colorful and informative site devoted to the molecular genetics and cellular biology of development and embryology (from Swarthmore College.

387. The Visible Embryo
http://www.visembryo.com/baby/
Visual and textual presentation of early human development from egg to birth.

C

CAD

388. Design Automation Conference

http://www.dac.com

The major commercial show and academic conference.

389. SIGDA

http://www.sigda.acm.org

The Association for Computing Machinery's(ACM) Special Interest Group on Design Automation.

390. Electronic CAD & Reliability Group

http://www.cad.polito.it/

Investigating test of digital circuits, high-level system design, parallel processing, reliability, functionality and algorithms. Includes published research, project descriptions, tools and benchmark circuits available to download.

391. Apollo Photonics Inc

http://www.apollophoton.com/

Provides optoelectronic systems and photonic devices design tools and services, including commercial CAD package. Includes product descriptions and capability statements.

392. SPICE 3 User's Manual

http://newton.ex.ac.uk/teaching/CDHW/Electronics2/userguide/

SPICE 3 User's Manual converted to html format with search facility and cross-references added.

Calendars and Timekeeping

393. Time and Date

http://www.timeanddate.com/

Lots of time and date related information, such as yearly and monthly calendars, counters, countdown, and the world clock which shows the current time in cities all over the world.

394. Calendars through the Ages

http://webexhibits.org/calendars/

History and FAQs of calendars, from ancient Rome to outer space. Including Julian, Gregorian, Jewish, Islamic, Chinese, and Mayan.

395. The Difference Between the Millennium and Year 2000
http://www.timeanddate.com/counters/mil2000.html
Questions and answers to satisfy the hearts of true millennium buffs.

396. Leap Seconds
http://tycho.usno.navy.mil/leapsec.html
Civil time is occasionally adjusted by one second increments called leap seconds. A detailed explanation of what a second actually is, and why leap seconds are necessary.

397. The Chinese Calendar
http://www.math.nus.edu.sg/aslaksen/calendar/chinese.shtml
The mathematics of the Chinese calendar. Explains the rules for the Chinese calendar.

398. Calendopaedia
http://www.geocities.com/calendopaedia/
The Encyclopaedia of Calendars.

399. Astronomical Time Keeping
http://www.maa.mhn.de/Scholar/times.html
Extensive descriptions of many astronomical time keeping systems, with information on time zones and Julian day numbers.

400. Maya Calendar 2000
http://mayacalendar.com
The calendar was the center of Maya life and their greatest cultural achievement. To carry out their astronomical calculations they developed a sophisticated mathematical system. The Maya Calendar website is developing with the intent of providing a complete view of Maya culture.

401. Calendrical Calculations
http://emr.cs.uiuc.edu/home/reingold/calendar-book/index.shtml
Published by Cambridge University Press. Gives a unified algorithmic presentation of the Gregorian, ISO, Julian, Coptic, Ethiopic, and Islamic civil calendars.

402. Month Calendar for Any Year
http://www.timekeepers.org/month.htm
Create a calendar (requires JavaScript, does not work in Netscape 3).

Month poetry, how the months got their names, day names in different languages, birthstones, gemstones, Roman gods and the blue moon.

Caves

403. Biospeleology (cave biology)
http://www.utexas.edu/depts/tnhc/.www/biospeleology/
Texas Memorial Museum's web site on biospeleology. Information on the biota of caves, karst, and groundwater.

404. Groundwater Biology
http://www.geocities.com/~mediaq/index1.html
Exhaustive collection of information about groundwater and cave biology. Checklist and bibliography for most taxa, distribution maps, images and useful links. Updated regularly.

405. Subterranean Amphipod Database
http://web.odu.edu/sci/biology/amphipod/
Effort to create a comprehensive database on subterranean amphipods

406. Biospeleology
http://www.inhs.uiuc.edu/~sjtaylor/cave/biospeleol.html
Illinois Natural History Survey web site. Within caves a diverse biota may be found, exhibiting varying degrees of adaptation to the subterranean environment. Information and links about cave habitats and fauna, as well as cave protection and related topics.
407. PASCALIS
http://www.pascalis-project.org
Information about and from research project on "Protocols for the ASsessment and Conservation of Aquatic Life In the Subsurface," supported by the European Commission.

Category Theory

408. A Gentle Introduction to Category Theory
http://wwwhome.cs.utwente.nl/~fokkinga/mmf92b.html
Lecture notes by Maarten M. Fokkinga introducing some important notions from category theory, in particular adjunctions. Proofs are given

in a calculational style, and the (few) examples are taken from algorithmics. The text is a long PostScript file.

409. Category Theory and Homological Algebra
http://www.math.niu.edu/~rusin/known-math/index/18-XX.html
In the "known maths" series.

410. Category Theory
http://plato.stanford.edu/entries/category-theory/
This expository article is an entry in the Stanford Encyclopedia of Philosophy.

411. Structures Directory
http://boole.stanford.edu/pub/structdir
Email directory of logicians, algebraists, and programming linguists working primarily on structural problems in mathematics and computer science.

Cartography

412. USGS National Mapping Information
http://mapping.usgs.gov/
National mapping information from the U.S. Geological Survey.

413. The National Geographic Society
http://www.nationalgeographic.com/
Explore National Geographic Online. A world leader in geography, cartography and exploration.

414. Earth Resources Observation Systems (EROS)
http://edcwww.cr.usgs.gov/
The Earth Resources Observation Systems (EROS) Data Center (EDC) is a data management, systems development, and research field center for the U.S. Geological Survey's (USGS) National Mapping Division.

415. Map History / History of Cartography
http://ihr.sas.ac.uk/maps/
A tightly organized global overview of the subject's resources, activities and opportunities, with leads to the collecting of old and early maps

416. Working with Maps
http://interactive2.usgs.gov/learningweb/teachers/lesson_plans.htm#maps
This tutorial was designed by the USGS to help secondary school children understand cartography.

Calculus

417. The Integrator
http://integrals.wolfram.com/
An online integrator that automatically evaluates integrals.

418. Visual Calculus
http://archives.math.utk.edu/visual.calculus/
Short descriptions and examples for limits, derivatives, and integrals. Various plug-ins are needed to view some of the pages.

419. Calculus and Physics Practice Exams
http://www.exambot.com/
Practice exams for applied calculus and physics in PDF and HTML formats. Detailed solutions to answers are given.

420. S.O.S. Math - Calculus
http://www.sosmath.com/calculus/calculus.html
Explains concepts in detail of limits, convergence of series, finding the derivative from the definition and continuity. Some basic formula conversions are given.

421. Calculus on the Internet
http://www.calculus.net/
Tutorials on calculus subjects ranging from precalculus to differential equations. Math tools and resource links.

422. Technology Based Problems
http://www.rose-hulman.edu/Class/CalculusProbs/
Calculus and differential calculus problems are presented. The possible solution or solutions are given.

423. Connected Calculus
http://www.math.montana.edu/frankw/ccp/calculus/topic.html
This is an applied calculus tutorial. Some prior calculus knowledge might be helpful.

424. The History Of Calculus
http://www.nd.edu/~hahn/
Discusses the development of analytic geometry, derivative and integral functions dating from Archimedes to Newton.

Ceramics

425. World-Wide Web Virtual Library: Technical Ceramics
http://www.ikts.fhg.de/vl/VL.ceramics.html
Links to non commercial technical ceramic sites, journals, societies and conferences.

426. Center for Micro-Engineered Materials (CMEM)
http://www.unm.edu/~cmem/
Materials science research and ceramic and composite materials research at the University of New Mexico. The Center's specialty is the chemical synthesis and processing of ceramic related materials on a molecular and near molecular level.

427. CERAM Research
http://www.ceram.co.uk/
CERAM Research provides contract research, consultancy, analysis, testing and other services for ceramics and materials based industries including refractories, building materials, tableware, tiles, sanitary ware, advanced ceramics, metals, environmental and information services.

Child Psychology

428. Birth Psychology
http://www.birthpsychology.com/
Theory and research on birth psychology.

429. Successful Pathways through Middle Childhood
http://midchild.soe.umich.edu/
This multi-disciplinary research network seeks to understand the many ways by which children successfully navigate through the period of middle childhood.

430. Institute for the Study of Children, Families and Social Issues
http://www.psyc.bbk.ac.uk/iscfsi/index.html
Listing of current research projects; listing of people involved with the Institute. Affiliated with Birkbeck, University of London.

431. The Society of Pediatric Psychology
http://www.apa.org:80/divisions/div54/
A forum for professionals interested in caring for children and their families.

432. AMA - Division 53 - Clinical Child Psychology
http://www.apa.org/about/division/div53.html
Information about the American Psychological Association's Division 53, Clinical Child Psychology. Includes links to publications and information about task forces, APA Convention activities, and membership for practioners and students.

433. The Child Psychologist
http://www.childpsychologist.com/
Dedicated to the fields special education and psychology and the remediation of childhood and adolescent disorders.

434. Child and Family Study Group
http://cfsg.wayne.edu/
The Child and Family Study Group is a research lab at Wayne State University in Detroit, Michigan, USA. You will find information about our research, as well as other details about our lab.

435. Parent-Child Interaction Assessment
http://facstaff.uindy.edu/~rholigrocki/pcia.html
Procedure developed to yield data about parental attunement as well as other aspects of parent, child, and dyadic functioning.

Chaos

436. Dynamical Systems and Technology Project
http://math.bu.edu/DYSYS/
A project designed to help secondary school and college teachers of

mathematics bring contemporary topics in mathematics (chaos, fractals, dynamics) into the classroom.

437. Online Chaos Course
http://order.ph.utexas.edu/chaos/
A 5-part interactive and nontechnical introduction to chaos physics and chaotic motion in classical and quantum mechanics.

438. UK Nonlinear News
http://www.amsta.leeds.ac.uk/Applied/news.dir/index.html
Quarterly newsletter of nonlinear research in the UK.

439. Society for Chaos Theory in Psychology and Life Sciences
http://www.societyforchaostheory.org/
Membership information, publications, meetings, tutorials, other resources.

440. Visual Math Institute
http://www.vismath.org/
Nonprofit research institute devoted to mathematics, dynamical systems theory, chaos theory, applications, and education.

441. Classical And Quantum Chaos
http://www.nbi.dk/ChaosBook/
Lecture notes on periodic orbits: A comprehensive webbook.

Civil Engineering

442. A Sightseer's Guide to Engineering
http://www.engineeringsights.org
Travel guide highlights engineering achievements throughout the United States.

443. WWW Virtual Library: Civil Engineering
http://www.ce.gatech.edu/WWW-CE/
Searchable database of links organized into commercial, educational, organizational, and journal groups.

444. Internet Resources of Civil Engineering Knowledge and Technology
http://www.icivilengineer.com
Catalog of internet resources of civil engineering knowledge and technology; covering all disciplines of civil engineering.

445. Advanced Materials for Construction
http://www.cerf.org/research/material.html
Research topics include composites and light-weight concrete. From the Civil Engineering Research Foundation.

Clinical and Counseling

446. Trauma Research
http://traumaresearch.tripod.com/
Research into child and adolescent trauma and treatment. Development of a module based group treatment process using a psycho-educational cognitive-behavioural approach.

447. Jay Haley on Therapy
http://www.jay-haley-on-therapy.com/
Details of Haley's approach and development of family therapy, strategic therapy, and problem-solving therapy.

448. Trauma Relief Unlimited
http://traumareliefunlimited.com/
Research study into Robert Cicione's brief treatment model of trauma.

Cereals

449. Lost Crops of Africa: Volume I: Grains
http://www.nap.edu/books/0309049903/html/
The online version of a book about the less-understood grains from Africa. It discusses African rice, finger millet, fonio, sorghum, and some other grains.

450. ARIA Cereals and Arable Farming Information
http://www.aria.org.uk/
ARIA links arable crop farmers to research scientists and information on pests and diseases, particularly in cereals.

451. GrainGenes: A Database for Small Grains and Sugarcane
http://wheat.pw.usda.gov/graingenes.html
GrainGenes is a compilation of molecular and phenotypic information on wheat, barley, oats, rye, and sugarcane. From the USDA.

Cell Biology

452. Biology of the Mammary Gland
http://mammary.nih.gov
A forum to integrate various aspects of mammary gland biology, including cellular and developmental aspects, and to promote collaborations and the exchange of ideas, knowledge and resources.

453. WWW Virtual Library: Yeast
http://www.stanford.edu/Saccharomyces/VL-yeast.html
Cell biology, biochemistry and genetics of the yeast species Saccharomyces cerevisiae and Schizosaccharomyces pombe, with links to resources and databases.

454. The WWW Virtual Library: Cell Biology
http://vlib.org/Science/Cell_Biology/
A guide to major online resources in cell biology indexed by subject with annotated links (part of the WWW Virtual Library).

455. Cell and Molecular Biology Online
http://www.cellbio.com/
An informational resource for cell and molecular biologists.

456. Cell-Biology.com
http://www.cell-biology.com
Information on cells, cell organelles, functions, mitosis, meiosis and cellular communication. Part of the ALtruis Biomedical Network.

457. BioScience Research Tool: Cell Biology
http://biochemie.net/links/Cell_Biology/
Excellent specialized directory of online tools and resources selected for cell biologists.

458. Cell Intelligence
http://www.basic.nwu.edu/g-buehler/cellint.htm
Experimental research over two decades into the question of whether

cells have a central signal integration system (Guenter Albrecht-Buehler, Northwestern University).

459. The WWW Virtual Library: Dictyostelium
http://dicty.cmb.nwu.edu/dicty/dicty.html
Section of the WWW Virtual Library devoted to the cell biology and genetics of the cellular slime mold (Dictyostelium discoideum).

Chemistry

460. Links for Chemists - WWW VL Chemistry Section
http://www.liv.ac.uk/Chemistry/Links/links.html
Maintained by the University of Liverpool, this free, searchable chemistry index carries in excess of 8,250 chemistry resources in over 75 chemical categories.

461. Chemdex-UK
http://www-rsc.shef.ac.uk/chemdex-uk/
Database containing details of chemists in the various chemistry and related institutions in the United Kingdom.

462. Chemie.De
http://www.chemie.de/index.php3?language=e
An electronic gateway to numerous resources on the Web for chemists and chemical engineers worldwide.

463. Chemical News and Intelligence (CNI)
http://www.cnionline.com/
An online business information and database product aimed at senior executives in the chemical industries.

464. The Chemical Industry
http://www.neis.com/
Providing information on all facets of the world-wide chemical industry. Many links to web resources of interest to chemists and the chemical industry.

465. ChemWeb.com
http://chemweb.com/
Features searchable chemistry journals and databases, jobs, books, software, conferences diary and ChemDex+.

466. About Chemistry
http://chemistry.about.com/science/chemistry/index.html
News articles, periodic tables, educational resources, newsletters, and annotated links.

467. The Chemsoc Chembytes Infozone
http://www.chemsoc.org/chembytes/
Chemsoc, the chemistry societies' network, provides a gateway to the best chemistry information and resources on the web.

468. Chemical Online
http://www2.chemicalonline.com/welcome/nsdmoz
Marketplace for professionals in the chemical process industry.

Chemistry - Corrosion

469. NACE International
http://www.nace.org/
Professional technical society dedicated to protecting the environment, promoting public safety, and reducing the economic impact of corrosion by advancing the knowledge of corrosion engineering and science.

470. Corrosion Doctors
http://corrosion-doctors.org/
The goal of this site is to bring to your attention new tools, events and concepts to help quantify corrosion damage and the benefits of proposed solutions.

471. Corrosionsource.com
http://www.corrosionsource.com
Portal for materials and corrosion. Technical content and tools related to corrosion. Access to some of the information unfortunately requires 'free' registration. Site is a front for InterCorr Int Inc.

472. Corrosion Information Server ICC/UMIST
http://www.cp.umist.ac.uk/
Corrosion and protection centre at UMIST. Includes journal of corrosion

science and engineering, a corrosion services directory, diary of corrosion events and CORROS-L mailing list archive.

473. Corrosion and Protection Centre
http://www.umist.ac.uk/corrosion/cpc/
The Corrosion and Protection Centre is an internationally recognised centre of excellence in teaching and research in the field corrosion science and technology. UMIST.

474. The Center for Electrochemical Science and Engineering
http://minerva.acc.virginia.edu/~cese/home.html
Dozens of useful links to other corrosion sites.

Chemistry - Education

475. Chem4Kids
http://www.chem4kids.com/
Information and news about biology, chemistry, physics, geography, HTML, and soon BASIC.

476. Journal of Chemical Education
http://jchemed.chem.wisc.edu/
Geared towards those who subscribe to the print version of the Journal, but has information, articles and reviews for nonsubscribers as well.

477. Comic Book Periodic Table
http://www.uky.edu/Projects/Chemcomics/
Comics relating or referring somehow to various elements. Also has links to scientific information for each element.

478. Molecular Universe
http://www.MolecularUniverse.com/
Information on molecules and molecular systems featuring digital imaging and historical milestones.

479. The ChemTeam
http://dbhs.wvusd.k12.ca.us/ChemTeamIndex.html
Provides study resources for high school chemistry and Advanced Placement chemistry classes.

480. It's Elemental
http://education.jlab.org/elementflashcards/
Review the elements with flash cards. [Requires Javascript]

481. ConcepTests
http://www.chem.wisc.edu/~concept/
Concept-based tests for use in chemistry. Includes suggestions for how the test can best be used in the instruction of chemistry students.

482. Second Law of Thermodynamics
http://www.secondlaw.com/
Conversational introduction to the second law and entropy via practical everyday examples. Qualitative, non-math, but substantial.

483. The Chemistry Place
http://www.chemplace.com/
Interactive tutorials, practice exams, chemistry-related news, and links to the most credible and reliable science resources on the web for high school and college students and educators. Subscription required, but a free trial is available.

Chemical Engineering

484. NASA Technical Report Server (NTRS), v 2.0
http://techreports.larc.nasa.gov/cgi-bin/NTRS
Quick Start

485. Computational Fluid Dynamics - CFD Online
http://www.cfd-online.com
Services include a comprehensive link section, a jobs database and a discussion forum. This is the largest CFD site on the net.

486. Chemical and Radiochemical Technology - Oak Ridge National Laboratory
http://www.ornl.gov/ornlhome/radiochemical_technology.html
A knowledge base in chemical separations available in the DOE laboratory complex.

487. ChemExpo chemical industry virtual trade show
http://www.chemexpo.com/
ChemExpo is a virtual trade show for the chemical industry. Navigation is through a show floorplan metaphor, giving access to chemical companies, news, and product search facilities.

Conferences of Science

488. Nature Events

http://www.nature.com/nature-events/

Scientific events site from the journal Nature. Contains meetings, symposia, conferences, courses, seminars, workshops, awards and scientific programmes.

489. European Research Conferences (EURESCO)

http://www.esf.org/euresco/

A program of the European Science Foundation in Strasbourg. Conducts conference series in all scientific areas: discussion meetings exploring research frontiers.

490. NATO ASI and ARW calendar

http://www.nato.int/science/e/calendar.html

Information about Advanced Study Institutes (ASIs) and Advanced Research Workshops (ARWs), which are scientific meetings supported by NATO.

491. Atlas Conferences

http://atlas-conferences.com/

Database of academic meeting announcements, with abstracts, browsable by subject, by date or by country.

492. Wonderfest Festival of Science

http://www.wonderfest.org/

Biannual event in which pairs of accomplished, articulate researchers discuss and debate compelling scientific questions. Much of the event is available for review over the internet in audio and video formats.

493. Mathematics and Engineering Techniques in Medicine and Biology

http://metmbs.sdsu.edu/

Next meeting will be held June 23-25, 2003 in Las Vegas, Nevada.

494. WSEAS Conferences

http://www.wseas.org/wseas/

Promotes the development of new mathematical methods and

computational techniques as well as their applications in science and engineering. Next meeting takes place July 7-10 in Corfu Island, Greece. Also, is sponsoring an internet meeting from May 24-26, 2003.

495. Academia Exchange
http://www.AcademiaExchange.net
Listing of science of philosophy conferences, workshops, and other meetings. Emphasis on European meetings.

496. EventOnline.org
http://www.eventonline.org
Database of medical, biotechnical and scientific events.

497. Eurosight 2003: BiOptic Driving Conference
http://www.biopticdriving.org/conference.html
To advance and encourage research with devices and techniques used to overcome visual limitations while driving. Takes place at School of Behavioral and Cognitive Neurosciences, University of Groningen, The Netherlands. 4-6 July 2003.

498. Frontier Science Research Conferences
http://www.fsrc.stefan-university.edu
Promote and diffuse first rate research achievements in science worldwide.

499. International Workshop on Interactive Distributed Multimedia Systems and Telecommunication Services
http://www.ctit.utwente.nl/Docs/news/idms_2000.html
IDMS will be held in Enschede, The Netherlands, October, 2000.

500. ArtSci2001
http://www.asci.org/ArtSci2001/
International event for those interested in the explosion of activities at the intersection of art, science, and technology. The Graduate Center of the City University of New York (CUNY) November 3-4, 2001.

Crops

501. PlantFacts - Ohio State University

http://plantfacts.ohio-state.edu/
Searches over 20,000 pages of horticulture and crop science info from over 40 academic and government institutions departments in the U.S. by keyword and region .

502. Australian New Crops Project
http://www.newcrops.uq.edu.au/
Information about "new" crop developments, from the University of Queensland.

503. CropReference
http://www.hort.purdue.edu/newcrop/CropReference/crop_reference.html
Sources of information from Purdue University on promising new crops for food, timber, shade, soil improvement.

504. The Association for the Advancement of Industrial Crops
http://www.aaic.org/
Nonprofit organization that encourages and promotes the production, processing, development, and commercialization of industrial crops and products derived from them.

505. Lost Crops of the Incas
http://books.nap.edu/books/030904264X/html/index.html
An online book, presenting little-known plants of the Andes with promise for worldwide cultivation.

506. Alternative Field Crops Manual
http://www.hort.purdue.edu/newcrop/afcm/index.html
Detailed information on the production of a number of agronomic crops adapted to the upper Midwestern U.S., from adzuki bean to wild rice.

Cosmology

507. Sloan Digital Sky Survey
http://www.sdss.org/
A dedicated 2.5 meter telescope which uses sensitive electronic light detectors to systematically map a quarter of the sky, building a catalog of celestial objects, galaxies, and quasars.

508. MAP Home Page
http://map.gsfc.nasa.gov/
MAP is a MIDEX class mission, selected by NASA in 1996, to probe conditions in the early universe. MAP measures temperature differences ("anisotropy") in the cosmic microwave background radiation.

509. Introduction to Cosmology
http://map.gsfc.nasa.gov/m_uni.html
A NASA site for the general public featuring a collection of questions and answers on cosmology.

510. NOVA - Runaway Universe
http://www.pbs.org/wgbh/nova/universe/
Examines the size, future and fate of the universe as well as the possible existence of others. Also explores what happens in a supernova explosion, a map of the universe on a cosmological scale, and the ability to spin a spiral galaxy on two axes using QuickTime VR.

Comets

511. Windows to the Universe: Comets
http://www.windows.ucar.edu/tour/link=/comets/comets.html
General information and data, pictures, details on the most interesting ones.

512. Deep Space 1
http://nmp.jpl.nasa.gov/ds1/
NASA space probe that explored comet Borrelly.

513. Comet Information and the International Comet Quarterly
http://cfa-www.harvard.edu/icq/icq.html
Information regarding news, observations, orbital data, designations and names, and links regarding comets and related topics.

514. Small Comets
http://smallcomets.physics.uiowa.edu/
The original discovery and latest news about a new class of interplanetary bodies.

515. Comet comet comet
http://www.ifa.hawaii.edu/faculty/jewitt/comet.html
Overview of comets, as described by a professional comet researcher.

516. How Stuff Works: Comet
http://www.howstuffworks.com/comet.html
Informative illustrated explanation of what comets are, what they are made of, where they come from and how to observe them.

517. Exploring The Planets: Comets
http://www.nasm.edu/ceps/etp/comets/
History, orbits, composition, ways comets are studied, relation to meteor showers. Comets Halley, Shoemaker-Levy 9. From the National Air and Space Museum.

Crustacea

518. Crustacea.Net
http://crustacea.net/
Provides an interactive information retrieval system for the world crustaceans.

519. The Plankton Net
http://www.uoguelph.ca/zoology/ocean/
Online Guide to Research in Plankton Ecology and Biological Oceanography

520. Crustacean literature
http://aquilabooks.crosswinds.net/crust.html
Books and papers (antiquarian, out-of-print, second-hand & new) on Crustacea, available from Aquila Natural History Books.

521. World Species List
http://www.envirolink.org/species/ocrust.html
Crustacean Database Listing

Communications

522. Telecoms Virtual Library

http://www.analysys.com/vlib/
Collection of links to telecommunication sites worldwide.

523. EXFO
http://www.exfo.com/
Designer and manufacturer of fiber-optic test, measurement, monitoring and automation solutions for the global telecommunications industry.

Communication Theory

524. A Mathematical Theory of Communication
http://cm.belllabs.com/cm/ms/what/shannonday/paper.html
Claude Shannon's seminal paper, made available by Bell Labs in PostScript and PDF.

525. Coding and Cryptography
http://www.dpmms.cam.ac.uk/~twk/
Lecture notes at Tom Koerner's home page.

526. Shannon's Communication Theory
http://www.exploratorium.edu/complexity/CompLexicon/Shannon.html
A brief description.

527. Notes on Coding Theory
http://www.mth.msu.edu/~jhall/classes/codenotes/coding-notes.html
By J.I. Hall (PDF). Please contact the author before making use of them.

Complex Systems

528. Society for Chaos Theory on Psychology and Life Sciences (SCTPLS)
http://www.societyforchaostheory.org/
News, tutorials, data library, and information on conferences.

529. The Complexity and Artificial Life
http://www.calresco.org/
Introduction to complex systems and self-organisation by CALResCo - International Research Group

530. EconoPhysics
http://www.unifr.ch/econophysics/
Application of Mathematical Methods to Societal Problems

531. Traffic Science Forum
http://www.trafficforum.org/
Systems of interacting vehicles on a highway

532. Links on Complexity, Self-organization and Artificial Life
http://pespmc1.vub.ac.be/COMSELLI.html
A collection of annotated links.

533. Application to economics
http://csf.colorado.edu/pkt/seminars/rosser/rosser.html
Complex dynamics arises in New Keynesian models.

534. Complex Adaptive Systems Research
http://www.casresearch.com/
Adaptive complex systems. Collection of links

Control Theory

535. Control Engineering Virtual Library
http://www.control.eng.cam.ac.uk/extras/Virtual_Library/Control_VL.ht
ml
Hosted at the University of Cambridge, UK.

536. Control Theory and Engineering Links
http://www.theorem.net/control.html
Listed at Theorem.Net.

537. Discrete Event Systems
hftp://ftp.utia.cas.cz/pub/staff/DES/DES.html
BibTeX database of publications, conference listings and other resources.

Combinatorics

538. Math Pages - Combinatorics

http://www.mathpages.com/home/icombina.html
About 40 "informal notes" on combinatorics by Kevin Brown.

539. The Combinatorial Object Server
http://www.theory.csc.uvic.ca/~cos/
Select a type together with specific parameter values and COS will return a list of all such combinatorial objects.

540. Catalogue of Lattices
http://www.research.att.com/~njas/lattices/
A catalogue of different types with applications to packing spheres by Neil Sloane and Gabriele Nebe.

541. G-Systems
http://www.sweb.cz/vladimir_ladma/english/music/articles/dide99.html
Theory of chord structures to create music through algorithms by Vladimir Ladma.

542. Topics in Mathematics - Combinatorics
http://archives.math.utk.edu/topics/combinatorics.html
In the Mathematics Archive at UTK.

543. Combinatorial Catalogues
http://www.cs.uwa.edu.au/~gordon/data.html
Combinatorial objects such as graphs, designs and geometries collected by Gordon Royle.

544. Combinatorial Data
http://cs.anu.edu.au/~bdm/data/
Brendan McKay's collection of miscellaneous tables in graph6 or sparse6 format.

Classical Mechanics

545. Amusement Park Physics
http://www.learner.org/exhibits/parkphysics/
How do physics laws affect amusement park ride design? Design your own roller coaster and experiment with bumper car collisions.

546. Simulations with Java

http://www.myphysicslab.com
Provides several interactive physics simulations such as springs and masses, pendulums, molecules. Objects, mass, gravity, spring stiffness can be modified.

547. Primitive Potentials and Newton's Laws from Symmetry
http://www.geocities.com/knyshus/
Symmetry of function. Finding of primitive without integration-summation. Newton's laws of any order. Mechanics of third order.

548. Chaotic Systems
http://dept.physics.upenn.edu/courses/gladney/mathphys/subsection3_2_5.html
A brief overview of chaos theory and applications in classical mechanics.

549. Gyroscope
http://www.howstuffworks.com/gyroscope.html
Graphics, related links and a video combine to show you how gyroscopes work.

550. Physics for Beginners
http://physics.webplasma.com/physicstoc.html
This site covers motion and forces for individuals with no prior knowledge of the subject.

551. Wave Equation
http://www.geocities.com/aboutwaves/
Mathematical description and derivation of wave equations.

552. The Physics and Math of Soccer
http://www.OceansideRevolution.com/EINSTEIN.HTM
Discusses shape of a soccer ball, spin effects, motion of projectiles.

Condensed Matter

553. Neutron Scattering WWW Resources
http://www.neutron.anl.gov/
Provided as a service to the international neutron scattering community by Argonne National Laboratory. Links to databases, software, research facilities, and information on conferences.

554. PhysicsWeb Best of Condensed Matter
http://www.physicsweb.org/bestof/cond-mat
New developments in Condensed Matter Physics.

555. Inorganic Crystal Structure Database
http://barns.ill.fr/dif/icsd/
3D crystal structures in VRML of about 2000 compounds may be generated from a variety of standard crystallographic formats.

556. Solid State Electronics
http://www.ite.mh.se/~hasse/solid.html
A collection of notes on solid state physics.

557. STM Color Images
http://www.physnet.uni-hamburg.de/home/vms/pascal/index.html
Color Images with the Scanning Tunneling Microscope.

558. Physics of Metals
http://www.geocities.com/prysjan/in_11.html
Metallophysical research in Lviv National University (metals, films, compounds, alloy) and elsewhere.

559. WinGreen - Simulation Package
http://www.fz-juelich.de/isg/mbe/software.html
WinGreen is a quantum transport simulation package for layered semiconductors. Free download.

Cosmology

560. Cosmology
http://www.superstringtheory.com/cosmo/index.html
From the Official String Theory Website. Basic and advanced tutorials on the age and structure of the universe, the Big Bang, and the relation of string theory to cosmology.

561. What is Theoretical Cosmology
http://cfa-www.harvard.edu/~jcohn/tcosmo.html
Theoretical cosmologists study the evolution and composition of the

universe as a system, constructing theories and confronting them with experiments and observations

562. Introduction to Inflationary Cosmology
http://nedwww.ipac.caltech.edu/level5/Watson/Watson_contents.html
Introduction to cosmology and inflation by Scott Watson of Brown University.

563. Cosmology Made Simple
http://www.geocities.com/autotheist/Physics/cosmo.htm
A very basic overview of cosmology

Crystallography

564. X-Ray
http://xray.uu.se/
The COREX Database of atomic and molecular core edge excitation oscillator strengths

565. Crystal Structures
http://www.ill.fr/dif/3D-crystals/
VRML crystal structures at the Institute Laue - Langevin.

566. Crystal Lattice Structures
http://cst-www.nrl.navy.mil/lattice/
A site which lists the possible crystal lattice structures and coordinates of atoms in such crystals. Nice graphics too.

567. Crystal Research and Technology
http://www.wiley-vch.de/publish/en/journals/alphabeticIndex/2223/
Crystal Research and Technology is an international journal examining all aspects of research within experimental, industrial and theoretical crystallography.

568. Crystal Lattice Structures
http://membcrs.iworld.net/joo/physics/curri-sub/crystal/lattice.html
A list of the possible crystal structures with a diagram of each type.

569. Database of Calculated Phase Diagrams of Fe-S Ternary Systems

http://www.tniri.go.jp/~pdsul/e_index.html

Two types of database. One is calculated results for phase diagrams of each ternary system of Fe-Mn-S and Fe-Cr-S systems. Another is a literature database of binary and ternary systems.

Cold Fusion

570. Cold Fusion and New Energy Technology

http://www.infinite-energy.com/

Infinite Energy Magazine Online - an online cold fusion information resource, and home of Infinite Energy Magazine, focusing on new developments in the field of chemically assisted nuclear reactions.

571. Cold Fusion Times

http://world.std.com/~mica/cft.html

Journal of the scientific aspects of loading isotopic fuels into materials.

572. Cold Fusion Research

http://www.ncas.org/erab/

NCAS presents the 1989 DOE report on cold fusion. The report describes and evaluates the evidence and makes policy recommendations to the department as to support for research in this area.

573. New Energy

http://www.new-energy.com/

A venture capital fund for revolutionary new energy technologies, started 1997.

574. Cold Fusion

http://www.math.ucla.edu/~barry/CF/

Definition, report on an attempt to replicate the key experiment, and links to other information.

575. The Search for Free Energy

http://www.thesearchforfreeenergy.com

Preview of the book which describes the work of inventors and scientists

looking for solutions to our most pressing problem - the need for a clean energy source with which to combat global warming.

576. Cold Nuclear Fusion Research
http://members.tripod.com/WWJD_GY
This Cold Nuclear Fusion page includes information dealing with the basics of nuclear fusion, an overview of cold fusion and the factors involved, cold fusion construction guide (chemicals, safety, electrochemical cell, analytical results, theories), newsletter conveying the latest on cold fusion technology, and many other topic areas.

Cultural Anthropology

577. Anthropology Resource Base
http://www.nativeweb.org/resources/anthropology_archeology/
Resources for indigenous cultures around the world provided by NativeWeb.

578. Critical Theory and Cultural Studies
http://eserver.org/theory/
"Cultural studies draws from the fields of anthropology, sociology, gender studies, feminism, literary criticism, history and psychoanalysis in order to discuss contemporary texts and cultural practices."

579. Theory in Anthropology
http://www.indiana.edu/~wanthro/theory.html
Descriptions of various subdisciplines of sociocultural anthropology, reviews of trends in anthropological publications, and biographies of some influential anthropologists.

580. Social and Cultural Evolution
http://www.socio.ch/evo/index_evo.html
A directory of links to research papers that discuss general theoretical approaches and models of culture change.

581. Implosion
http://home.worldcom.ch/~negenter/
Research in architecture on the phenomenology of space of O. F. Bollnow. [in English, French and German].

582. Symbolic Anthropology
http://www.anthja.com/exersymb3.html
A site that explores the relationship between symbols and a society's cognitive structure, rules of moral conduct and patterns of social interactions.

Cognitive Science

583. The Memory Exhibition
http://www.exploratorium.edu/memory/index.html
Explores the biological, psychological, and cultural aspects of memory, from personal experiences to breakthroughs in cognitive science.

584. Encyclopedia of Cognitive Science
http://www.cognitivescience.net/
Reference work (published 2003) from the publishers of the journal Nature. This site exists mainly to persuade you to buy the print encyclopedia, but also makes several sample entries available.

585. The Human Nature Daily Review
http://human-nature.com/nibbs/
Links, with brief abstracts, to recent news items in the brain and behavioral sciences - updated daily.

586. Face Blind
http://www.choisser.com/faceblind/
A personal account of face blindness (prosopagnosia), by a sufferer.

587. Brain and Behavior, from Serendip
http://serendip.brynmawr.edu/bb/
Interactive exhibits, forum, and links aimed at exploring the observational basis and significance of the assertion that the nervous system underlies all aspects of human behavior and experience.

588. Cognitive Science Society
http://www.cognitivesciencesociety.org/
The premier professional organization in the field. Information on membership, conferences, and the journal Cognitive Science (including abstracts of recent and upcoming articles).

589. Is the Brain Really Necessary?
http://www.enidreed.com/serv01.html
Article from "Science" magazine about persons with "virtually no brain" but normal or above-average IQs.

590. Imagination, Mental Imagery, Consciousness, Cognition: Science, Philosophy & History
http://www.calstatela.edu/faculty/nthomas/home.html
The philosophical, scientific, and historical study of imagination and mental imagery, and their role in consciousness and cognition. Material by the site's creator and many links to other related sites.

Cryosurgery

591. Cryo Forum
http://www.cryoforum.org/index.html
A forum for sharing knowledge among Cryosurgeons and the public. Many abstracts and papers included in various cryosurgical specialties.

592. Cryosurgery in the Treatment of Prostate Cancer
http://www.cancernews.com/cryosurgery.htm
Article by Duke K. Bahn, MD. Part of the Cancer News on the Net.

593. Cryosurgical Ablation Of The Prostate: Two-Year Prostate Specific Antigen And Biopsy Results
http://www.prostatepointers.org/iceballs/drcohen2.html
A 1995 paper by Cohen, Miller, Rooker, and Shuman at Medical College of Pennsylvania.

594. Cryotherapy of the Liver
http://www.med.wayne.edu/diagRadiology/Cryo.html
Hepatic cancer treatment at Wayne State University, Detroit, Michigan. Brief article.

595. Cryotherapy For Devastating Eye Disease
http://www.kidsource.com:80/kidsource/content/news/opth.pr.4.29.html
April 14, 1996 article about cryotherapy to prevent blindness in children with severe retinopathy of prematurely (ROP), from the Children's Hospital of Philadelphia.

596. Proceedings from the 10th World Congress of Cryosurgery
http://www.cryoforum.org/congress-proceedings.html
Links to over 100 summaries of papers presented in 1998.

Cryobiology

597. LifeNet
http://www.lifenet.org/
LifeNet is the largest, full-service, non-profit all graft Tissue Banking System in the United States. LifeNet is also a non-profit, federally-designated, Organ Procurement Organization providing donation systems for heart, liver, kidney, pancreas, lung, and other organs for transplant.

598. 21st Century Medicine
http://www.21CM.com/
A research and development company in the fields of cryopreservation and ice control technologies for cryobiology and industrial uses. In Rancho Cucamonga, California.

599. National Seed Storage Laboratory (NSSL)
http://www.ars-grin.gov/ars/NoPlains/FtCollins/nsslmain.html
The section on "Preservation" discusses cryogenic storage.

600. International Bioresearch Solutions
http://www.researchtissue.org
IBS is a non-profit national organization that works with organ procurement organizations to place organs that are not suitable for transplant with medical researchers.

Cryonics

601. Alcor Life Extension Foundation (Cryonics)
http://www.alcor.org/
Site for major cryonics organization in Scottsdale AZ. Contains a lot of information, including an on-line photo-tour of the building and of the cryonics process.

602. Life Extension Society
http://keithlynch.net/les/
A cryonics public education organization in the Maryland/D.C. area. Not a service provider.

603. Cryonics
http://www.merkle.com/cryo/
Ralph Merkle's cryonics introduction. Short but requires some knowledge of cryonics already.

604. CryoCare Foundation - Cryonics Services
http://www.cryocare.org/
CryoCare Foundation offers cryonics services. The site includes a good explanation of cryonics, with a large library of articles.

605. Cryonics FAQ Overview
http://www.cs.cmu.edu/afs/cs.cmu.edu/user/tsf/Public-Mail/cryonics/html/overview.html
Cryonics "Frequently Asked Questions" List from Tim Freeman. Getting dated but still quite good.

Criminology

606. United Nations Interregional Crime and Justice Research Center (UNICRI)
http://www.unicri.it/
Organization created to advance policy and practice in the prevention and control of juvenile delinquency and adult criminality. Includes a collection of global criminology resources.

607. Australian Institute of Criminology
http://www.aic.gov.au/
Includes a library, online publications, statistics, directories, and links.

608. American Society of Criminology
http://www.asc41.com/
International organization embracing scholarly, scientific, and professional knowledge concerning the etiology, prevention, control and treatment of crime and delinquency.

609. The British Society of Criminology
http://www.britsoccrim.org/
Features an ethical guide, journal, news, information about conferences, membership details, and related links.

610. Environmental Criminology Research
http://www.ecricanada.com/
Focuses on geographic profiling, which uses sophisticated computer software to determine the most likely area of offender residence in cases of serial murder, rape and arson.

611. Crimetheory.com
http://www.crimetheory.com/
An educational resource for the learning, researching, and teaching of theoretical criminology.

Creativity

612. Inspiration: visual thinking and learning software
http://www.inspiration.com/
Inspiration K-12 supports visual thinking techniques, enabling students to easily create and update graphic organizers, concept maps, idea maps and other visual diagrams.

613. Total Creativity in Business & Industry
http://www.edwdebono.com/
Business creativity resources by Edward de Bono. Contains book extracts, details of courses, recommended reading, techniques and tips to develop creativity in the business environment.

614. Creativity Home Page
http://www.ozemail.com.au/~caveman/Creative/
The Creativity Web is a resource center containing information to help the individual become more creative. Exhaustive lists of creativity techniques, books, software, people, are the goals of this web site.

Cryptozoology

615. Cryptozoology.com

http://www.cryptozoology.com
Includes forums, news, articles, pictures, links, and cryptofiction.

616. Taking A Hard Look At Cryptozoology
http://www.ncf.carleton.ca/~bz050/HomePage.cryptoz.html
A collection of cryptozoology related articles. By Ben S. Roesch.

617. Cryptozoology Links
http://www.pibburns.com/cryptozo.html
A massive collection of cryptozoology related links. By Philip R. "Pib" Burns.

618. The Cryptozoologist
http://www.lorencoleman.com/
Overviews cryptozoology, discusses some unknown creatures, and details the pursuit of these species by Loren Coleman, author and editor of The Cryptozoologist, and Cryptozoology A to Z.

619. Virtual Institute of Cryptozoology
http://perso.wanadoo.fr/cryptozoo/welcome.html
Discussions on all aspects of Cryptozoology. In French and English.

620. CryptoCumbria: Cumbrian Cryptozoology
http://web.ukonline.co.uk/bransty/index.html
A club for those with an interest in cumbrian cryptozoology and Fortean zoology.

621. Cryptozoology
http://www.strangeark.com/
Includes a free newsletter, articles, and links. By Chad Arment.

Cryotechnology

622. The Nobel Prize in Physics 1996
http://www.nobel.se/physics/laureates/1996/index.html
Awarded to David M. Lee, Douglas D. Osheroff, and Robert C. Richardson. The press release contains a good (technical) discussion of the superfluidity of helium-3.

623. About Temperature
http://www.unidata.ucar.edu/staff/blynds/tmp.html
A good general discussion of the physics and concept of "temperature."

624. CEC-ICMC 2001 Joint Conference
http://www.cec-icmc.org/
Cryogenic Engineering and International Cryogenic Materials Conference, July 16-20, 2001 in Madison, Wisconsin.

625. Cryomagnetics Home Page
http://www.cryomagnetics.com/
Manufacturers of Superconducting Magnets, Cryostats, and related Cryogenic Instrumentation

Cybernetics

626. A Curriculum for Cybernetics and Systems Theory
http://www.well.com/user/abs/curriculum.html
List of suggested books, periodicals, television shows and computer programs for a classroom curriculum or individual study in cybernetics and systems theory.

627. Principia Cybernetica Web (PCP)
http://pespmc1.vub.ac.be
An International Project to Develop a Philosophy Based on the Principles of Cybernetics and Supported by Collaborative Computer Technologies.

Dendrology.

628. TreeGuide
http://www.treeguide.com/
Includes information about almost all North American trees, with brief descriptions, range maps, and a few images. Brief family summaries for trees from elsewhere. List of state and provincial trees.

629. Forestry 111 Dendrology Home Page
http://www.forestry.ubc.ca/frst111/frst111.html
Designed to supplement teaching of this course.

630. International Dendrological Research Institute
http://www.interdendr.org/
Nonprofit organization dedicated to documenting the woody flora worldwide.

631. Tree Matters
http://www.treematters.freeserve.co.uk/
Site for The Dendrologist, a quarterly magazine. Also contains tree tips and a record of the dates of upcoming dendrology events in the UK.

Drinking Water

632. Water Quality Association
http://www.wqa.org/
Water Quality Association (WQA) is the international trade association representing the household, commercial, and industrial water quality improvement industry.

633. American Water Works Association
http://www.awwa.org
International nonprofit scientific and educational society dedicated to the improvement of drinking water quality and supply. Represents treatment plant operators and managers, scientists, environmentalists, manufacturers, academicians, regulators, and others.

634. Drinking Water and Health Basics
http://www.epa.gov/safewater/dwhealth.html
U.S. EPA Office of Ground Water and Drinking Water information on drinking water and health, including the National Primary Drinking Water Standards, fact sheets on specific drinking water contaminants, and guidance regarding Cryptosporidium for people with compromised immune systems.

635. AWWA Research Foundation
http://www.awwarf.com/
Site has information on research projects covering all aspects of water supply, such as water treatment, water distribution, groundwater management, monitoring, and cryptosporidium and other waterborne pathogens.

Dinosaurs

636. Jurassic Park Institute

http://www.jpinstitute.com

Information about dinosaurs in pictures, timelines, interactive games, dictionary, museum guides, web site links and dinosaur park guides.

637. Dinosauria On-Line

http://www.dinosauria.com/

A tool for researching dinosaurs. Contains the Journal of Dinosaur Paleontology, a collection of essays and e-mail discussions whose topics range from what Archaeopteryx used its wings for, to evolution.

638. Willo, the Dinosaur with a Heart

http://www.dinoheart.org/

Information about a fossilized dinosaur heart.

649. National Geographic Dinorama

http://www.nationalgeographic.com/dinorama/

Links to dinosaur articles in National Geographic magazine.

640. Dinosaurs: Facts and Fiction

http://pubs.usgs.gov/gip/dinosaurs/

Information from the U.S. Geological Survey.

Deserts

641. DesertUSA 2000

http://www.desertusa.com/index.html

A monthly Internet-based magazine published by Digital West Media, Inc. Our purpose is to provide a tool for discovery; a publication which entertains, educates and explores with our readers, the beauty, life and culture of the North American deserts.

642. The Arid Lands Newsletter

http://ag.arizona.edu/OALS/ALN/ALNHome.html

a twice-yearly publication of the Office of Arid Lands Studies, the University of Arizona. The purpose of the Arid Lands Newsletter is to explore events and issues of interest to arid lands researchers, resource managers, and policy makers around the globe.

643. Chihuahuan Desert Home Page
http://nasa.utep.edu/chih/chihdes.htm
Information about the landscape, animals, plants, and cultural history of the Chihuahuan Desert in the United States and Mexico.

644. Desert Biome
http://mbgnet.mobot.org/sets/desert/index.htm
Information on deserts: what they are, where they are located, and the plants and animals which live in them.

645. The Living Edens
http://www.pbs.org/edens/namib/index.htm
A detailed look at one of the oldest deserts - the Namib Desert. Includes teacher's resources.

Desertification

646. United Nations Convention to Combat Desertification
http://www.unccd.int/
Provides access to the official documents maintained or received by the UNCCD Secretariat and is a general source of information on the topic of desertification for the interested public.

647. Desertification: Monitoring & Forecasting
http://www.evsc.virginia.edu/~desert/
Text and video reports about remote monitoring in the arid southwest region of United States. General details about desertification, forcasting, desert plants and a photo gallery is also there.

648. Combatting Desertification
http://www.acdi-cida.gc.ca/desertification-e.htm
Introduction to desertification and ways to combat desertification, details of activities undertaken and contact information. A site by Canadian International Development Agency.

649. The Sahara and the Sahel Observatory (OSS)
http://www.unesco.org/oss/
Details about mission, objectives and structure of OSS, an organization

striving to build up an African arena for cooperation and exchange to combat desertification and poverty.

650. Monitoring and Early Warning
http://www.earlywarning.nl/
Maps providing monthly updated, near real time, distributed information on rainfall, actual evapot transpiration, radiation, drought and desertification indices, and crop yield forecasts for Africa and Europe. Includes methodology discussions and links to similar resources.

Dialectology

651. International Society for Dialectology and Geolinguistics
http://www.uni-bamberg.de/~ba4es1/sidg.html
Dedicated to the international promotion of dialectology and geolinguistics, support of international enterprises, and the study of minority languages and dialects.

652. Cool Slang
http://www.coolslang.com/
Collaborative multilingual slang database and dictionary.

653. Dialectology and Sociolinguistics
http://ccat.sas.upenn.edu/~haroldfs/messeas/handouts/dialect/node1.html
Class notes for a general dialectology course.

654. Untitled Document
http://www.unc.edu/~gerfen/Ling30Sp2002/sociolinguistics.html
Informational page on sociolinguistics with a very large section on dialects.

655. Comparing and Classifying Dialects
http://odur.let.rug.nl/%7Eheeringa/dialectology/general/
A range of methods for measuring the phonetic distance between dialectal variants.

Demography and Population Studies

656. United Nations Population Information Network

http://www.un.org/popin/
Links to publications and conferences.

657. Population Reference Bureau
http://www.prb.org/
Data and analysis on international and U.S. population trends and issues such as environment, HIV/AIDS, and reproductive health.

658. Demography and Population Studies WWW Virtual Library
http://demography.anu.edu.au/VirtualLibrary/
Organized collection of Internet links.

659. PopNet
http://www.popnet.org/
Searchable directory of population-related websites. Search by topic or keyword, by organization, or through a clickable world map. Topics include Demographic Statistics, Economics, Education, Environment, Gender, Policy and Reproductive Health.

660. City Population
http://www.citypopulation.de/
Principal cities and agglomerations of the world and of many countries (tables and maps).

DNA

661. DNA Forensics
http://www.ornl.gov/hgmis/elsi/forensics.html
Comprehensive resource covering forensic identification, arising from the human genome project, discussing accuracies, potential applications and databases such as the Combined DNA Index System. Maintained at Oak Ridge, TN.

662. Population Distribution
http://www.accessexcellence.org/WN/NM/interview_dr_bruce_weir.html
Interview in January 1995 discussing demographic frequency of alleles, and accuracy of PCR in law enforcement. Link to CNN report on OJ Simpson Trial, from expert witness Dr Bruce Weir, Professor of Statistics and Genetics, North Carolina State University, NC.

663. National Commission on the Future of DNA Evidence
http://www.ojp.usdoj.gov/nij/dna/
Seeking to maximize the value of forensic DNA evidence in the criminal justice system. Transcripts, publications, programs and what's new from the NIJ, Washington, DC.

664. FBI Laboratory Handbook
http://www.fbi.gov/hq/lab/handbook/examsdna.htm
Guidelines for collecting and submitting DNA evidence in blood, saliva samples and other stains, with links to historical cases from the Department of Justice, Washington, DC.

665. How DNA Evidence Works
http://www.howstuffworks.com/dna-evidence.htm
Introduction to the steps in DNA fingerprinting evidence gathering for law enforcement, and its application from Howstuffworks Inc., Raleigh, NC.

Dynamical Systems

666. ArXiv
http://www.arxiv.org/list/math.DS/recent
Recent papers in dynamical systems at the ArXiv preprint server.

667. Dynamical Systems Home Page
http://www.math.sunysb.edu/dynamics/
Conference listings, survey articles, open problems, people, jobs, and seminars.

668. Evolution Equations and Semigroups
http://www.math.lsu.edu/~tiger/evolve/evolve.html
Bulletin board and preprint archive.

669. Nonlinear Dynamics Bibliography
http://www.unimainz.de/FB/Physik/Chaos/chaosbib.html
Maintained by Peter E. Beckmann, Johannes Gutenberg Universität.

670. Turbulent Landscapes
http://www.exploratorium.edu/complexity/
Turbulent Landscapes is the result of 13 artists' explorations of complexity in nature. The exhibit will travel to museums and science centers in upcoming months.

Difference Equations

671. Difference Equations to Differential Equations
http://math.furman.edu/~dcs/book/
By Dan Sloughter. Published in PS/PDF with applets under GPL.

672. Journal of Difference Equations and Applications
http://www.tandf.co.uk/journals/titles/10236198.html
(Routledge) Table of contents from vol.8 (2002). Full text to subscribers.

673. The Math Forum
http://mathforum.org/library/topics/difference_eq/
A compilation of sites relating to Difference Equations.

674. Difference Equations and Discrete Dynamical Systems
http://mywebpages.comcast.net/dedds/
A web-based newsletter.

675. Books Corner
http://mywebpages.comcast.net/dedds/debooks.html
Reviews and pointers to books.

E

Electronics and Electrical

676. Cooper Industries
http://www.cooperindustries.com/
Manufacturer of electrical products that distribute and control electricity, provide circuit protection, illuminate facilities, support electronic and telecommunications components and offer fire and security detection.

677. Leviton Mfg.
http://www.leviton.com/
North American producer of electrical and electronic products.

678. 3M Electronics Division
http://www.3m.com/US/electronics_mfg/
Manufactures materials and components for PCB manufacturing and assembly, semiconductor manufacturing and electronics products. Online product search, selection and specifications.

679. Catron AB
http://www.catron.se/
Design electronic equipment for audio and video, and military and airborne applications. Sweden.

Environment

680. ABS Consulting, Government Institutes Division
http://www.govinst.com/
Books and software titles from Government Institutes in the areas of the Environment, Safety and Health, Telecommunications, the Internet, CFRs, and Quality.

681. GreenBiz.com
http://www.GreenBiz.com/
Comprehensive resource of environmental information, tools and data aimed at the mainstream business community.

682. Environ.com
http://www.environ.com
Information on hazardous waste, msds, iaq, epa, osha, and ozone depletion, software, training, and consulting.

683. BLR, Inc.
http://www.blr.com/
Internet portal for environmental businesses, including news, training advice, online forums, and other information. Some content requires paid subscription;

Ergonomics

684. Human Factors and Ergonomics Society
http://hfes.org/
Information about the Society, its member services, and activities.

685. HealthyComputing
http://www.healthycomputing.com/
A free public resource for computer-related health and ergonomics information. Comprehensive resources with information on preventing computer-related injuries such as Carpal Tunnel Syndrome.

686. OSHA Ergonomics Final Rule
http://www.osha-slc.gov/ergonomics standard/index.html
OSHA's Final Ergonomics Program Standard.

687. Ergonomics Society (UK)
http://www.ergonomics.org.uk/
Organisation for professionals using information about people to design for comfort, efficiency and safety.

Elements

688. The Comic Book Periodic Table of the Elements
http://www.uky.edu/Projects/Chemcomics/
Contains comic book images linked to the chemical elements via the periodic table. Comics include Uncle $crooge, Metal Men, Metamorpho, Batman, Fantastic Four, and Superman.

689. Spectral Lines
http://www.colorado.edu/physics/2000/quantumzone/index.html
Overivew of spectroscopy and Java applets that show spectral lines for different elements.

690. Chemical Elements Quiz
http://quizhub.com/quiz/f-elements.cfm
Quiz on the symbols of naturally-occuring elements.

691. Interactive Periodic Table
http://www.chemicalelements.com/
View an interactive periodic table that has information for all 109 elements.

692. Iron
http://pearl1.lanl.gov/periodic/elements/26.html
Check out these facts about the history, uses, and properties of this element.

Evolution

693. Introduction to Phylogeny
http://www.ucmp.berkeley.edu/exhibit/phylogeny.html
University of California Museum of Paleontology virtual exhibit explores the relationship of phylogeny and evolution.

694. Vertebrate Flight Exhibit
http://www.ucmp.berkeley.edu/vertebrates/flight/enter.html
Explores the physics of vertebrate flight, with particular emphasis on its origins and evolution.

695. The Talk.Origins Archive: Evolution FAQs
http://www.talkorigins.org/origins/faqs-evolution.html
A very informative site about biology and evolutionary theory.

696. Triumph of Life
http://www.pbs.org/wnet/nature/triumphoflife/
Companion to PBS series on evolution. Features essays, video clips, and special interactive features that explore the story of life on Earth.

697. Scientific American: 15 Answers to Creationist Nonsense
http://www.sciam.com/article.cfm?articleID=000D4FEC-7D5B-1D07-8E49809EC588EEDF
Review and critique of popular arguments against the theory of evolution by natural selection.

Ecology

698. Ecolog-L
http://www.listserv.umd.edu/archives/ecolog-l.html
Archives and subscription management for the Ecological Society of America's e-mail group for ecology news, jobs postings, and discussion.

699. Ecology Tutorial
http://w vw.eng.rpi.edu/dept/chem-eng/Biotech Environ/ECOLOGY/project.html
Short introduction to the science of ecology, including terminology.

700. What is Systems Ecology?
http://bandersnatch.fnr.umass.edu/pub/mod577/sysnotes.html
An introduction by Jack Finn.

701. Suite 101: Ecology
http://www.suite101.com/articles.cfm/ecology
Articles on ecological themes.

702. History of Ecology
http://oz.plymouth.edu/~lts/ecology/ecohistory/history.html
Bibliography and notes on prominent ecologists.

Ecotoxicology

703. EXTOXNET - The EXtension TOXicology NETwork
http://ace.orst.edu/info/extoxnet/
Fully searchable and selectively retrievable databases of pesticide toxicology and environmental chemistry information.

704. Environmental Contaminants Encyclopedia
http://www1.nature.nps.gov/toxic/
General information about 118 elements, compounds, and products. U.S. National Park Service, February 1998.

705. Graduate Study in Toxicology at Iowa State University
http://molebio.iastate.edu/~l_wild/toxhome.htm
Nationally recognized toxicology research are the foundation of the Interdepartmental Graduate Major in Toxicology at Iowa State University. Graduate degrees are offered at the master of science and doctor of philosophy levels.

706. Ecological Risk Analysis Tools and Applications
http://www.esd.ornl.gov/programs/ecorisk/ecorisk.html
Information for use in conducting ecological screening and baseline risk assessments, from Oak Ridge National Laboratory (ORNL).

707. The National Centre for Environmental Toxicology (NCET)
http://www.ncet.co.uk/
Information, advice and research on chemical and biological contamination of drinking water, the aquatic environment and soils. Information to help those managing pollution incidents, industrial development and environmental planning.

708. California Wildlife Exposure Factor and Toxicity Database
http://www.oehha.org/cal_ecotox/
Search a compilation of exposure factors (i.e., ecological and physiological data) and toxicity data for a number of California mammals, birds, amphibians and reptiles.

Ecosystems

709. The World's Biomes
http://www.ucmp.berkeley.edu/glossary/gloss5/biome/
Introduction to aquatic, desert, forest, grassland, and tundra biomes. School class project.

710. Terrestrial Ecoregions of the World
http://www.nationalgeographic.com/wildworld/terrestrial.html
Maps, descriptions, and index to 687 ecoregions across the globe. Javascript required.

711. The State of the Nation's Ecosystems
http://www.heinzctr.org/ecosystems/
Online book about the current status and trends of the environment of the United States, aimed at public policy makers and concerned citizens.

712. WorldBiomes
http://www.worldbiomes.com/
Covering five of the major world biomes.

713. World Wildlife Fund - Ecoregions
http://www.worldwildlife.org/ecoregions/
Detailed descriptions and images of the world's ecoregions. Javascript required.

Exobiology

714. Astrobiology at NASA
http://astrobiology.arc.nasa.gov/
Astrobiology is the study of the origin, distribution, and destiny of life in the universe. It uses multiple scientific disciplines and space technologies to address fundamental questions of the origins of life.

715. NASA Astrobiology Institute
http://nai.arc.nasa.gov/
A partnership between NASA and other research organizations to conduct and lead integrated multidisciplinary research in astrobiology, the study of life in the universe.

716. NASA's Origins Program
http://origins.jpl.nasa.gov/
This program at JPL seeks to answer the fundamental questions about the Universe: Where do we come from? Are we alone?

717. Harvard OEB
http://www.oeb.harvard.edu/
Department of Organismic and Evolutionary Biology at the Museum of Comparative Zoology. Researches and teaches "biology with a global perspective."

718. New Scientist Astrobiology
http://www.newscientist.com/hottopics/astrobiology/
New Scientist's second Millennium Special focuses on the search for life beyond Earth. Part of the Hot Topics section.

Electron Microscopy

719. Bugscope
http://bugscope.beckman.uiuc.edu/
Educational outreach project of the World Wide Laboratory. The primary goal of the Bugscope project is to demonstrate that relatively low cost, sustainable access to a scanning electron microscope can be made available to K-12 classrooms.

720. M.E. Taylor Engineering
http://www.semsupplies.com/
Provides electron microscopy supplies and equipment and custom machining and laboratory services.

721. Microscopy Tips and Tricks
http://www.biotech.ufl.edu/EM/tips/index.html
Help and information on a variety of issues encountered in TEM, SEM and Light Microscopy.

722. SEM-EDS Laboratory
http://www2.arnes.si/guest/sgszmera1/index.html
Industrial scanning electron microscopy (SEM) and energy dispersive spectrometer (EDS) laboratory in the company Metal Ravne d.o.o.

723. Smartech
http://www.semguy.com/
SMARTech has the ability to generate conventional digital SEM images from 15 to 150,000 times. We can acquire Scanning Electron Microscopy images with either our conventional Everhart and Thornley detector or a solid state backscattered electron detector.

Electromagnetic Field

724. EMFRAPID - Electromagnetic Fields Research and Public Information Dissemination
http://www.niehs.nih.gov/emfrapid/home.htm
Reports, meeting transcripts, and other materials from the National Institute for Environmental Health Sciences review of EMF safety.

725. EMF-Link
http://infoventures.com/emf/
Information on biological and health effects of electric and magnetic fields (EMFs) from electrical appliances.

726. Microwave News
http://www.microwavenews.com/
Microwave News covers the health and safety issues related to exposure

to electromagnetic radiation. Includes electromagnetic fields (EMFs) power lines, cellular phones and radar.

727. Static EM Fields and Cancer FAQ
http://www.mcw.edu/gcrc/cop/static-fields-cancer
FAQ/toc.html
Reviews the laboratory and epidemiological evidence relevant to whether static (direct current, DC) magnetic or electric fields contribute to cancer in humans.

728. The EMR Network
http://www.emrnetwork.org
Organization working to reduce hazardous exposure to electromagnetic radiation worldwide. Includes news and information about risks, ongoing research, regulations, and litigation.

Employment

729. Nature Jobs
http://www.nature.com/naturejobs/
The journal Nature's careers pages, including free access to job listings, editorial content about scientific careers and prospects, events announcements, and other information.

730. Science Careers
http://recruit.sciencemag.org/
Searchable database of jobs, sorted by field specialty. Can post resume and curriculum vitae. Includes tips for improving the workplace for employers and employees.

731. Research Experience for Undergraduate (REU) Program
http://www.nsf.gov/home/crssprgm/reu/start.htm
The National Science Foundation makes possible a number of opportunities for undergraduates to join research projects each summer.

732. New Scientist Jobs.com
http://www.newscientistjobs.com
Searchable listings for thousands of science and technology jobs in the

UK and Europe, covering Biology, Chemistry, Physics, Environment, Engineering, Maths and IT.

733. PhDs.org Science Career Resources
http://www.phds.org
Science career information, job listings for science Ph.D.s, and information on graduate school in the sciences.

Educational Resources

734. NASA Education
http://education.nasa.gov
Links to all aspects of NASA's extensive education resources, including news, programs for children and adults, student resources, and calendar of events.

735. How Stuff Works
http://www.howstuffworks.com/
Explanations about form and function in science and technology.

736. ScienceDaily Magazine
http://www.sciencedaily.com/
Free, advertising-supported online magazine that provides news about the latest discoveries and hottest research projects in everything from astrophysics to zoology.

737. Beyond Discovery
http://www.beyonddiscovery.org
A series of articles that trace the origins of important recent technological and medical advances. Each story reveals the crucial role played by basic science.

738. Oak Ridge Institute for Science and Education (ORISE)
http://www.orau.gov/orise.htm
Education and training programs in science.

Earth Sciences

739. USGS Publications and Data
http://www.usgs.gov/pubprod/index.html
Products from the U.S. Geological Survey.

740. The Global Change Master Directory, Goddard Space Flight Center
http://gcmd.gsfc.nasa.gov/
A comprehensive directory of information about Earth science data, including broad coverage of the oceans, atmosphere, hydrosphere, solid earth, biosphere and human dimensions of global change.

741. International Geosphere-Biosphere Programme
http://www.igbp.kva.se/
Programme is focused on acquiring basic scientific knowledge about the interactive processes of biology and chemistry of the earth as they relate to Global Change.

742. NGDC/WDC A for MGG
http://web.ngdc.noaa.gov/mgg/image/images.html
Images offered by the NOAA National Geophysical Data Center (NGDC) Marine Geology and Geophysics Division and collocated World Data Center A for Marine Geology and Geophysics.

743. Earth Science Australia
http://earthsci.org/
Earth science resources, images, freeware for students and teachers as well as general information about earth science in Australia.

Earthquakes

744. USGS Earthquake Hazards Program
http://earthquake.usgs.gov/
Provides real-time displays of seismicity, frequently asked questions, historic earthquake information, seismicity maps and products and a comprehensive list of education links.

745. Multidisciplinary Center for Earthquake Engineering
http://mceer.buffalo.edu/
At State University of New York, Buffalo. Website provides access to extensive information on earthquakes, earthquake loss prevention, and engineering and economic aspects of recent earthquakes.

746. University of Nevada at Reno, The - Seismological Laboratory
http://www.seismo.unr.edu/
Search for the recent earthquakes and its effects in Nevada and eastern California. It includes research projects, a lecture on plate tectonics and prepareness against earthquakes.

747. Center for Earthquake Research and Information
http://www.ceri.memphis.edu/
University of Memphis (Tennessee)

748. Swiss Seismological Service
http://seismo.ethz.ch/
Latest earthquake information, interactive map, catalogue of Swiss earthquakes, and a feedback forum.

Electrochemistry

749. Society: Royal Society of Chemistry (UK)
http://www.rsc.org/
The Royal Society of Chemistry site provides journal contents, book information, conference diaries, library services, job adverts and membership services. Over 1000 pages of information.

750. Society: The Electrochemical Society, Inc. (ECS)
http://www.electrochem.org/
The homepage for the Electrochemical Society.

751. ESTIR
http://electrochem.cwru.edu/estir/
Electrochemical Science and Technology Information Resource, edited by Zoltan Nagy.

752. Surface Science Western
http://www.uwo.ca/ssw/
Surface Science.

753. Nobel Prize - Chemistry 1992 - Marcus
http://www.nobel.se/chemistry/laureates/1992/index.html
"for his contributions to the theory of electron transfer reactions in chemical systems" The Marcus Theory.

Electrical Engineering

754. EE Compendium
http://ee.cleversoul.com/
A comprehensive collection of information for electronics engineers, students, and hobbyists. Includes books and publications, as well as information on components and tools.

755. Electrical/Electronic Engineers forum at Eng-Tips
http://www.engtips.com/gthreadminder.cfm/lev2/11/lev3/47/pid/248
Electrical/Electronic Engineers technical support forums and mutual help system for engineering professionals. Selling and recruiting forbidden.

756. eeSource.com - The Electrical Engineering Community
http://www.eesource.com/
A community dedicated for electrical and electronics engineers which includes a directory based search engine, news, jobs, marketplace, and other services designed specifically for Ees.

757. International Research Centre for Telecommunications-transmission and Radar
http://irctr.et.tudelft.nl
Research on radar, atmospheric radar remote sensing, antennas, and telecommunications-transmission.

758. WebEE - The Electrical Engineering Homepage
http://www.web-ee.com/
A resource site where electrical engineers can find schematics, component information, application notes, software downloads, and career links.

Ecopsychology

759. Educating and Counseling With Nature: Ecopsychology in Action
http://ecopsych.com/
Nature-Connected Psychology Online: Ph.D or M.S. degrees include your prior experiences: inexpensive, accredited. Transferable courses and

internships improve careers, global consciousness and human-environmental relationships.

760. Towards an Ecology of Mind
http://www.oikos.org/psicen.htm
The threads which join the five authors this site focuses on include their various efforts to create a new perspective on our human experience as a Wholeness. Essays by George Kelly.

761. Eco Psychology On Line
http://isis.csuhayward.edu/ALSS/ECO/index.html
The Ecopsychology Institute was established at California State University, Hayward in April 1994 to facilitate an international dialogue between two communities: environmental scientists/ activists on the one hand, and psychologists/psychotherapists on the other.

762. International Community for Ecopsychology
http://www.ecopsychology.org/
An informal, international, interdisciplinary virtual community devoted to reflecting on the questions which arise from an ecopsychological viewpoint.

763. Green Earth Foundation
http://www.rmetzner-greenearth.org/
Explores the relationship between humanity and the Earth. Articles, related links, and book reviews and sales.

Economics

764. World Bank
http://lnweb18.worldbank.org/mna/mena.nsf
Has great data and statistics on the countries of Middle East and North Africa. This site is well laid-out and definitely worth a look.

765. The International Finance Corporation
http://www.ifc.org/
IFC is a member of the World Bank Group. It finances and provides advice for private sector ventures and projects in developing countries in partnership with private investors and, through its advisory work, helps

governments create conditions that stimulate the flow of both domestic and foreign private savings and investment.

766. MIGA
http://www.miga.org/
The Multilateral Investment Guarantee Agency (MIGA) is a member of the World Bank Group. Its purpose is to facilitate the flow of foreign direct investment to its developing member countries through the provision of investment guarantees against political risks.

767. AEAweb
http://www.aeaweb.org/
Information for economists provided by the American Economic Association. Includes e-JEL, the electronic edition of the Journal of Economic Literature.

768. Council of Economic Advisers
http://www.whitehouse.gov/cea/
A three member council that analyzes and interprets economic developments and advises the President of the United States on national economic policy. Publishes Economic Report of the President, Monthly Economic Indicators and other analysis and data.

769. IDEAS
http://ideas.repec.org/
A central index of economics working papers.

Econometrics

770. Econometrics Laboratory- UC Berkeley
http://emlab.berkeley.edu/eml/index.html
Home of TSP software and 2000 Nobel Prize Winner Daniel McFadden.

771. Group Method of Data Handling
http://www.gmdh.net/
Description of the inductive Group Method of Data Handling (GMDH). Self-organization approach applied in forecasting and systems modelling, optimization, pattern recognition and clusterization by neural networks (ANN), data mining and knowledge discovery.

772. Econometric Links of the Econometrics Journal
http://www.feweb.vu.nl/econometriclinks/
A comprehensive and well-maintained link page all about econometrics.

773. Econometric Resources on the Net
http://www.oswego.edu/~kane/econometrics/
Designed to assist econometrics students and practicing econometricians, by John Kane.

774. An Introduction to Classical Econometric Theory
http://elsa.berkeley.edu/~ruud/cet/
Supporting Paul Ruud's textbook. Provides excerpts from the book, data sets, MATLAB code, exercise solutions, and answers to frequent questions.

European Studies

775. Western European Specialists Section
http://www.lib.virginia.edu/wess/
Library of the University of Virginia, United States. Collects information sources related to Western European countries.

776. Modern Greek Studies Association (MGSA)
http://www.hnet.uci.edu/classics/MGSA/
An American-based, non-profit organization founded in 1968 and dedicated to the promotion of modern Greek studies in the United States and Canada. Symposia and publications profiles, prizes and research opportunities, textbook links, and other resources available.

777. European Studies at Loughborough University
http://info.lut.ac.uk/departments/eu/
A description of the department offering information on courses, research, and staff interests.

778. The TACTICS Project
http://www.isomatic.co.uk/tactics.htm
Researches the use of communication technologies in Bulgaria, Romania and Macedonia.

Electromagnetism

779. Electromagnetic Spectrum
http://imagine.gsfc.nasa.gov/docs/science/know_l1/emspectrum.html
A NASA site listing the various wavelengths of electromagnetic radiation.

780. VRML Gallery of Electromagnetism
http://physics.syr.edu/courses/vrml/electromagnetism/
Visualization of the electromagnetic field.

781. How Solar Cells Work
http://www.howstuffworks.com/solar-cell.htm
Principles of operation of silicon photovoltaic cells.

782. Magnetism and Magnetic Physics
http://www.wondermagnet.com/dev/magfaq.html
An elementary primer on magnetism and magnetic physics. Contains questions frequently asked about the science of magnetism.

783. X-ray Optics and Microscopy at Stony Brook
http://xray1.physics.sunysb.edu/
Research describing use of coherent soft X-rays for optics experiments, including Fresnel zone plates, to produce the smallest focused spot of electromagnetic waves for studies of biological and materials science specimens.

Earthquake Engineering

784. Earthquake Engineering Projects Summaries (NIST)
http://www.bfrl.nist.gov/
Information from the Building and Fire Research Laboratory of NIST.

785. Multidisciplinary Center for Earthquake Engineering Research (MCEER)
http://mceer.buffalo.edu/
Description of activities focusing on reduction of earthquake damage and losses through research, development and application of new knowledge and advanced technologies.

786. EarthQuake Information NETwork (EQNET)
http://www.eqnet.org/
Links to the web sites dealing with earthquakes and earthquake engineering.

787. Earthquake Engineering Research Institute (EERI)
http://www.eeri.org/
Activities of the national society of engineers, geoscientists, architects, planners, public officials, and social scientists related to earthquake exposure, risk and protection of lifelines and building structures.

788. Center for Earthquake Research and Information (ERI)
http://www.ceri.memphis.edu/
Research center at the University of Memphis is focusing on the earthquake activities and campus vulnerability studies.

Energy

789. Energy information
http://www.eia.doe.gov/emeu/cabs/cabsme.html
US Department of Energy's Middle East information

790. OPEC's website
http://www.opec.org
Which offers country-specific information, news and statements.

791. Alliance to Save Energy
http://www.ase.org/
U.S. consortium that promotes the clean and efficient use of energy worldwide to benefit the environment, economy, and national security. Website has information for consumers and policymakers, plus energy education materials.

792. Energy Information Administration
http://www.eia.doe.gov/
Statistics, Data, and Analysis on resources, supply, production, consumption for all energy sources. [US Department of Energy]

793. California Energy Commission Homepage

http://www.energy.ca.gov/
Data on energy production, consumption, conservation and use in California, as well as information on energy deregulation, renewable energy and energy research. Kids' pages with educational material.

794. Federal Energy Regulatory Commission
http://www.ferc.fed.us/
U.S. government agency that regulates hydroelectric dams and interstate commerce in oil, gas, and electricity.

Electric Vehicles

795. CALSTART: Advanced Transportation
http://www.calstart.org/calindex3.html
The latest information on electric, natural gas, hybrid electric vehicles and intelligent transportation technologies.

796. EVAA
http://www.evaa.org/
Electric Vehicle Association of the Americas is the industry association working to advance the commercialization of electric vehicles.

797. FutureTruck Competition
http://www.futuretruck.org/
Vehicle design competition challenges student teams from 15 colleges to convert a Chevrolet Suburban into a fuel-efficient, nonpolluting hybrid electric vehicle.

798. EV World
http://www.evworld.com/
About advanced electric cars, hybrid-electric and fuel cell vehicles.

799. Cybertran Information
http://www.cybertran.com/
Proposed electric car/ train which would hold from six to thirty passengers for commuting into and out of urban areas.

F

Fish

800. Oceanography in Atlantic Canada
http://www.eoascientific.com/interactive/animal_adaptations_animals_which_camouflage/animal_adaptations_animals_which_camouflage.html
An interactive exercise which explores animal adaptations, specifically fish camouflage. Users drag fish images to their correct location in the ocean based on their camouflage.

801. Marine Life Learning Center: Kid's Corner
http://www.fishid.com/facts.htm
Describes how different kinds of fish look, what they eat, and how they stay clean.

802. Photo Gallery of Paul Humann and Ned DeLoach
http://www.fishid.com/gallary.htm
Underwater pictures of different types of fish from different parts of the world.

Freedom House

803. Freedom
http://freedomhouse.org
The best resource on the web for information about freedom and democracy around the world

Fractal Art

804. Sprott's Fractal Gallery
http://sprott.physics.wisc.edu/fractals.htm
Daily updated gallery of automatically created fractals. Fractal generating software.

805. Fractal Alhambra
http://pnorthov.future.easyspace.com/index.html
Philip Northover's fractal artwork.

806. Fractalus Entrance

http://www.fractalus.com/

Megasite dedicated to fractals. Artist Damien Jones, other artists, contests.

807. Fractal Desktop

http://fractaldesktop.virtualave.net/

Offers hundreds of free, 640x480 jpg, high-color fractal images, suitable to act as desktop wallpapers.

808. Art By Math

http://www.artbymath.com/

Galleries, puzzles, and screen savers. Javascript and Java enabled browsers required.

Flora and Fauna

809. Natural Selection

http://nature.ac.uk/

A gateway to quality, evaluated Internet resources in the natural world co-ordinated by The Natural History Museum, London.

810. Integrated Taxonomic Information System

http://www.itis.usda.gov/

Authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world.

811. Flora and Fauna of the Great Lakes

http://www.lib.umich.edu/programs/greatlakes/

Provides access to materials from the fish, mammal, and fungus collections of the University of Michigan, USA. Includes many images of specimens.

812. Natural Perspective

http://www.perspective.com/nature/index.html

Dedicated to the beauty and science of nature and to the joys nature brings to those who explore it. The material here is organized according to the biological principles of Taxonomy.

813. BioImages - Virtual Fieldguide for UK Biodiversity
http://www.bioimages.org.uk/
Large selection of pictures of organisms, mostly British in origin. Images are an aid to identification, showing different stages, states and views of the organisms. Search the database or follow a taxonomic tree.

Fisheries Science

814. The Northwest Fisheries Science Center
http://research.nwfsc.noaa.gov/
Responsible for providing scientific and technical support for the management, conservation, and development of the Pacific Northwest region's anadromous and marine fishery resources.

815. Northwest Fisheries Science Center
http://www.nwfsc.noaa.gov/
A research facility of the Northwest Region of the National Marine Fisheries Service, NOAA, and is responsible for providing scientific and technical support for the management, conservation, and development of the Pacific Northwest region's anadromous and marine fishery resources. (USA)..

816. ICLARM - The World Fish Center
http://www.iclarm.org/
Organizes research on all aspects of fisheries and other living aquatic resources. Details of publications, research, services, projects, staff.

817. University of Washington School of Aquatic and Fishery Science
http://www.fish.washington.edu/
Information on current issues, research activities, and academic programs.

818. Fishknowledge.com
http://www.fishknowledge.com/
Online catalogue (with abstracts) of aquaculture and fisheries books, journals, charts, and other pubications from Blackwell Science Ltd. and Fishing News Books. Site also provides links to fisheries e-mail lists and other related websites.

Forestry

819. International Union of Forestry Research Organizations
http://iufro.boku.ac.at/
IUFRO is a non-profit, non-governmental international network of forest scientists. Its objectives are to promote international cooperation in forestry and forest products research.

820. World-Wide Web Virtual Library: Forest Genetics and Tree Breeding
http://www.metla.fi/info/vlib/forestgen/
An large collection of interesting links for forest geneticists and tree breeders.

821. World Forestry Center
http://www.worldforestry.org/
Information about the World Forestry education exhibits and programs at the Center's museum location in Portland, demonstration forests in Oregon, international programs and research activities.

822. Iowa State University Forestry
http://www.forestry.iastate.edu/
Endless publications and forestry topics. Undergraduate and graduate studies as well as online scholarships.

823. Texas Forest Service
http://txforestservice.tamu.edu/
Statewide leadership and professional assistance for the state's forest, tree, and related natural resources.

Fingerprints

824. Latent Print Examination
http://www.onin.com/fp/
Information about finger and palmprint examination, the processing of latent prints, and links.

825. Southern California Association of Fingerprint Officers
http://www.scafo.org/
Website offers extensive information on fingerprint technology.

826. Frequently Asked Questions About Fingerprints
http://onin.com/fp/lpfaq.html
Intended for elementary school students, law enforcement personnel, criminals, and the public. Answers come from several sources, including Certified Latent Print Examiners at crime labs in America and Fellows of The Fingerprint Society.

827. The History of Fingerprints
http://onin.com/fp/fphistory.html
About the uses of fingerprints from ancient times through the present.

828. Mobile Fingerprinting Service, Inc.
http://www.mobilefingerprinting.com
Privately owned company that provides criminal background and employee screenings using CJIS/FBI-certified fingerprinting technicians, on-site from Baltimore, MD.

Fusion

829. Nuclear Fusion Basics
http://www.jet.efda.org/pages/content/fusion1.html
Nuclear fusion energy basics and advantages, presented by EFDA.

830. Focus on Fusion
http://www.fusion.org.uk/focus/
Guide to controlled fusion and history of fusion research, presented by UKAEA.

831. The Energy of the 21st Century
http://www-fusion.ciemat.es/fusion/Intro/Intro-eng.html
Introduction to thermonuclear controlled fusion, presented by CIEMAT.

Fluid Mechanics and Dynamics

832. eFluids
http://www.efluids.com
A one-stop internet resource for fluid dynamics and flow engineering professionals.

833. Calculations and Equations of Fluid Mechanics
http://www.lmnoeng.com/
An online fluid dynamics calculator.

834. 2D Fluids Research
http://home.earthlink.net/~marutgers/
Exploring the possibility of using flowing soap films as two dimensional fluids. Click on the "science" menu to find this content.

835. ERCOFTAC
http://ercoftac.mech.surrey.ac.uk/
European Research Community on Fluids, Turbulence and Combustion. Portal to Fluid Dynamics database resources. Free registration required.

836. Fluid Power Net International (FPN)
http://fluid.power.net/
Provides information and links to fluid power (hydraulics & pneumatics).

Fourier Transforms

837. An Introduction to Fourier Theory
http://aurora.phys.utk.edu/~forrest/papers/fourier/
By Forrest Hoffman, UTK. (HTML,DVI,PS)

838. Fast Fourier Transform
http://mathworld.wolfram.com/FastFourierTransform.html
Article in MathWorld.

839. The FFT Demystified
http://www.eptools.com/tn/T0001/INDEX.HTM
A web text explaining the techniques of discrete and fast transforms.

Fuzzy Logic

840. Fuzzy Systems by James F. Brule'
http://www.austinlinks.com/Fuzzy/tutorial.html
Covers the history, main concepts, applications and peer objections. Includes bibliography and additional resources.

841. Fuzzy Logic Jump Start
http://www.fuzzy-logic.com/
Shows some examples of how this system would work. Includes instruction on method, perception, and sets. Also, gives details on how to create a logic controller as home exercise.

842. Fuzzy Logic Sources
http://www.cse.dmu.ac.uk/~rij/fuzzy.html
Maintained by Bob John, De Montfort University.

843. Fuzzy Logic
http://plato.stanford.edu/entries/logic-fuzzy/
Survey of logical systems with a continuum of truth values; from the Stanford Encyclopdia by Petr Hajek.

Future

844. The Future is Yours
http://www.framtiden-er-din.com
Futuristic site on global ethics, Earth Charter, the future of science and religion, the purpose of life.

845. Internet Brothers: Future Shock
http://internetbrothers.com/futureshock.htm
About high technology change and expectations. Marvel at future communications and lament the electronic dinosaurs.

846. M.S. Program in Studies of the Future
http://www.cl.uh.edu/futureweb/index.html
Masters program in Studies of the Future at the University of Houston - Clear Lake; year-round and summer intensive programs; course descriptions; student association; faculty and alumni pages.

847. Universal Transparency
http://www.universaltransparency.org/
Explores the feasibility of a future surveillance society in which everyone has access to all the surveillance ("universal transparency of surveillance"); articles, forum, related books, links to related pages.

Finite Element Analysis

848. ANSYS, Inc.
http://www.ansys.com/
Provides Computer-aided engineering technology and engineering design analysis software products.

849. SIMEC Corp.
http://www.ansoft.com/
Develops and distributes SIMPLORER, the powerful mixed-mode, mixed-language system simulator. Features an easy-to-use UI and offers hassle free simulation with no convergency problems.

850. MSC Software
http://www.mscsoftware.com/
Worldwide provider of Simulation software products for physical phenomena, including MSC.Nastran, MSC.Patran, MSC.MARC, MSC.Dytran and MSC.Working Model.

851. Altair Engineering
http://www.altair.com
Developers of the HyperWorks family of products, including Hypermesh, HyperGraph and OptiStruct. Also offers consulting. Corporate information, press releases, information about partner companies and software support.

852. Finite Element People
http://wwwmath.cudenver.edu/~lfranca/links/fem_people.htm
List of researchers and scientists that work in using, developing, improving and analyzing finite element methods in various applications.

Fireworks

853. Fireworks Magazine
http://www.fireworks-mag.org/
Britain's only periodical for fireworks enthusiasts and the trade. News, reviews, displays and history of pyrotechnics and fireworks.

854. Larry Crump's Fireworks Pages
http://www.wf.net/~lcrump1/index.html
A comprehensive fireworks website, including a virtual visit to a fireworks factory, safety information, photographs, pyrotechnician information, and links.

855. National Campaign for Firework Safety
http://www.angelfire.com/co3/NCFS/index.html
A UK site dedicated to the safe use of fireworks and to the prevention of firework injuries.

856. Paul's Pyrotechnics Page
http://www.montreal-fireworks.com/
Personal site about the Montréal International Pyromusical Competition.

Food Science

857. European Food Information Council
http://www.eufic.org/gb/home/home.htm
Provides science-based information on food technology, safety and quality, and nutrition.

858. Talking Food
http://internet-gopher.com/foodtalk/
Offers access to food-related information using email, newsgroups, mailing lists, newsletters, and chat rooms.

859. Arbor Nutrition Guide
http://arborcom.com/
Directory of resources divided into food science, clinical nutrition, applied nutrition and production and consumption of food.

860. Food Science Australia
http://www.dfst.csiro.au/fdnet20a.htm
Lists universities, associations and organizations working in the subject, and food law, regulations and consumer information.

861. The Blonz Guide to Nutrition, Food Science and Health
http://blonz.com/
A resource compiled by a scientist and journalist, with pages of links to the industry, government and academic institutions.

Forensic Science.

862. Keith Murray' s Forensic Science
http://home.earthlink.net/~thekeither/Forensic/forsone.htm
Provide an understanding of what forensic science entails, written by a corporate/legal/forensic investigator who holds a BA in Criminal Justice and an MA in Forensic Science, about to begin law school in the USA.

863. Mitretek Systems
http://www.mitretek.org/
Non-profit company offering objective technical support to state and local criminal justice agencies, particularly on emerging technologies confronting the community, through prototyping and testing at Falls Church, VA.

864. Zeno's Forensic Page
http://forensic.to/forensic.html
Extensive listing of links to forensic science, including medicine and psychology. Active message board and index of links to other sites, available in other languages from Den Haag, Netherlands.

865. NIST in Law Enforcement
http://www.nist.gov/public_affairs/nhouse/ccity/ccrime.htm
Outlines the development and improvement of forensic technologies; facial, fingerprint and DNA recognition, in the crime-fighting community by the National Institute of Standards and Technology, Gaithersburg, MD.

866. Reddy's Forensic Home Page
http://www.forensicpage.com/
Links relating to ballistics, gun prints, wound analysis, software, chemistry, narcotics and other sub disciplines, organizations and agencies from New York City.

G

Galaxies

867. High Redshift Supernova Search
http://www-supernova.lbl.gov/
Project at Lawrence Berkeley National Lab to search for supernovas in

very remote galaxies. This provides an accurate means of measuring the distances to remote galaxies and thereby determining the age of the universe.

868. The Galaxy Catalog
http://astro.princeton.edu/~frei/galaxy_catalog.html
A collection of digital images of 113 nearby galaxies. Princeton University.

869. Galaxy Pair Picture Gallery
http://crux.astr.ua.edu/pairs2.html
Images of interacting galaxy pairs.

870. Dust in Spiral Galaxies
http://www.astr.ua.edu/keel/research/dust.html
HST and ISO Results.

871. European Network: The Formation and Evolution of Galaxies
http://www.mpagarching.mpg.de/Galaxien/EuroNet.html
Our goal is to understand how galaxies formed and how the Universe has evolved over the last 90 percent of its history. The program will study distant galaxies at optical, infrared, and radio frequencies. In addition it will be coupled to theoretical work on protogalactic collapse, on galaxy evolution, and on the interaction of galaxies with their environment.

Glaciology

872. Glacier
http://www.glacier.rice.edu/
General introduction to glaciers, the Antarctic, and related topics in weather, climate, oceans, and geology, from Rice University (Texas).

873. All About Glaciers
http://www-nsidc.colorado.edu/glaciers/
Links to glacier research and projects, glacier facts, questions and answers, a glossary, gallery, bibliography and links to glacier information on the Web.

874. World Glacier Monitoring Service (WGMS)
http://www.geo.unizh.ch/wgms/
Source of information on glaciers and their fluctuations worldwide.

World Glacier Inventory contains data on the spatial distribution of glaciers. Fluctuations of Glaciers and Mass Balance Bulletin document changes over time (changes in mass, volume, area and length of glaciers.

875. USGS Benchmark Glaciers
http://ak.water.usgs.gov/glaciology/
Long-term program to monitor climate, stream runoff, and the motion, mass balance, and geometry of glaciers at a few sites in Alaska and Washington State. Data are used to understand glacier-related hydrologic processes and improve prediction of water resources, glacier-related hazards, and the consequences of climate change.

876. Michael Studinger's Homepage
http://www.ldeo.columbia.edu/~mstuding/
Geophysical and glaciological research on the Antarctic continent with aerogeophysical measurements.

Genetics

877. The National Center for Biotechnology Information
http://www.ncbi.nlm.nih.gov/
A national resource for molecular biology information for the better understanding of molecular processes affecting human health and disease.

878. Genomics: A Global Resource
http://genomics.phrma.org/
A substantial online resource from The Pharmaceutical Research and Manufacturers of America.

879. Cracking the Code of Life
http://www.pbs.org/wgbh/nova/genome/
Chronicles the race to capture the complete letter-by-letter sequence . Includes an online version of the television program. Viewable in Quicktime or Real Audio format.

880. Genetics Virtual Library
http://www.ornl.gov/TechResources/Human_Genome/genetics.html
Comprehensive subject catalog covering genetics in the biosciences. Provided by the U.S. Department of Energy.

881. BBC - Genes
http://www.bbc.co.uk/genes/
Explore the world of genetics and investigate the issues. Features history, health, a gene safari, and DNA detectives.

Gene Therapy

882. Gene Therapy - Human Genome Project
http://www.ornl.gov/hgmis/medicine/genetherapy.html
Definition, hurdles, ethical issues, and links to more resources on gene therapy provided by the Oak Ridge National Laboratory.

883. American Society of Gene Therapy
http://www.asgt.org
Organization dedicated to promoting gene therapy research through public education, scientific meetings and scientific committees targeting specific therapeutic areas and also vector technology.

884. GeneBrowser
http://www.natx.com
Commercial site focusing on the current state of retroviral vector development for gene therapy with numerous helpful links - from Nature Technology Corp.

885. Office of Biotechnology Activities at the NIH
http://www.nih.gov/od/oba/
Monitors scientific progress and ethical issues in basic and clinical research involving recombinant DNA and human gene transfer at NIH funded institutions.

886. European Society for Gene Therapy - ESGT
http://www.esgt.org
Organises annual meetings in Europe to promote gene therapy research.

Genetic Programming

887. Genetic-Programming.org
http://www.genetic-programming.org/
A definitive source of information about the field of genetic programming with links and conferences.

888. The Genetic Programming Notebook
http://www.geneticprogramming.com/
A comprehensive directory and tutorial for genetic programming. Includes conferences, researchers, journals, software, and papers.

889. John R. Koza
http://www.genetic-programming.com/johnkoza.html
Inventor of genetic programming and author of numerous published papers on genetic programming at Stanford University.

890. Genetic Programming Inc.
http://www.genetic-programming.com/
A privately funded research group that does research in applying genetic programming.

891. International Society for Genetic and Evolutionary Computation
http://www.isgec.org/
Promotes the creation and exchange of knowledge on Genetic and Evolutionary Computation and their application.

Gemstone

892. National Gemstone
http://www.preciousgemstones.com/
Unheated Burma ruby and sapphire, spinel, color change gems, precious gemstones.

893. Web Minerals Shop
http://www.webmineralshop.com/
Italian web minerals site.

894. Miner Shop
http://www.minershop.com/
Gems and fluorescent mineral specimens from Greenland.

895. Russian Colored Stone Company
http://rcgems.com/
Wholesale specializing in synthetic gems and natural Russian goods.

896. Mt. Lily Gems
http://www.mtlilygems.com/
Specializes in Arizona amethyst, Montana sapphire, Texas blue topaz, and Oregon sunstone.

Geomorphology

897. Geomorphology from Space
http://daac.gsfc.nasa.gov/DAAC_DOCS/geomorphology/GEO_HOME_PAGE.html
Online textbook of geomorphology, featuring images of the landforms of the world, as seen from space. (From NASA).

898. The Virtual Geomorphology
http://main.amu.edu.pl/~sgp/gw/gw.htm
Electronic textbook assembled from links to on-line resources. Languages: English, Polish.

899. Deserts: Geology and Resources
http://pubs.usgs.gov/gip/deserts/
USGS online book, written for a general audience. Covers desert climates, desert landforms, sand dunes and aeolian processes, evaporite mineral deposits, and related topics.

900. Canadian Landscapes
http://sts.gsc.nrcan.gc.ca/clf/landscapes.asp
Collection of photos of Canadian Landscapes and landforms is presented to illustrate the great diversity of Canadian scenery. Brief geological explanations provide insight on how the features developed. The photos were taken by scientists of the Geological Survey of Canada during the last 30 years.

901. Terrain Sciences Division Main Page
http://sts.gsc.nrcan.gc.ca/clf/home.asp
Terrain Sciences Division, Geological Survey of Canada.

Geochemistry

902. Geotech.org - Geology and Geochemistry
http://www.geotech.org/
Educational site for those interested in learning about surface exploration

techniques used for oil and gas. Includes images, analogs, bibliographies, and services.

903. Martian Geochemistry
http://mars.jpl.nasa.gov/MPF/science/mineralogy.html
Summarizes the geochemical results obtained by NASA's Mars Pathfinder mission. Includes plots of geochemical trends, and comparisons with earlier Viking mission data as well as with Earth geochemistry.

904. Fluid Inclusions
http://www.geology.wisc.edu/~pbrown/fi.html
Primarily a directory to fluid inclusion-related resources. Links are provided for old and upcoming meetings and short courses, a few organizations, and some archived forums on research issues.

905. The Geochemistry Portal
http://www.geochemistry.com/
Organized collection of links, including news, organizations, universities, laboratories, publications, and databases. Has search and ability to submit links for inclusion.

906. ISOGEOCHEM
http://geology.uvm.edu/isogeochem.html
E-mail discussion list for stable isotope geochemistry. Includes list subscription information and many isotope-related links including available positions, research laboratories, short course and workshop listings, and a searchable message archive.

907. Stable Isotopes and Mineral Resource Investigations
http://pubs.usgs.gov/info-handout/seal2/
An information hand-out from the US Geological Survey, introducing the topic of stable isotopes and providing some examples of their use in determining the origins of mineral deposits in the United States.

Global Change

908. Intergovernmental Panel on Climate Change (IPCC)
http://www.ipcc.ch/
Established by the World Meteorological Organization (WMO) and

United Nations Environment Programme (UNEP) to assess available scientific, technical, and socio-economic information in the field of climate change.

909. NASA: Earth Observatory
http://earthobservatory.nasa.gov/
News, feature articles, data and reference reviews on many aspects of our changing world.

910. U.S. Global Change Research Program
http://www.usgcrp.gov/
Scientific research, links, educational resources, U.S. national assessment of the potential consequences of climate variability and change.

911. EPA Global Warming Site
http://www.epa.gov/globalwarming/
Focuses on the science and impacts of global warming or climate change, and on actions by governments, corporations, and individuals that help address global warming issues. Features include climate change related news, events, publications, reports, presentations, and links to other sites.

912. NASA's Global Change Master Directory
http://gcmd.gsfc.nasa.gov/
A comprehensive directory of descriptions of data sets of relevance to global change research. The GCMD database covers climate change, agriculture, the atmosphere, biosphere, hydrosphere & oceans, geology, geography, and human dimensions of global change.

Geophysics

913. The Exploration of the Earth's Magnetosphere
http://www-spof.gsfc.nasa.gov/Education/Intro.html
Home page of a detailed non-mathematical introduction to the research on the Earth's magnetic environment in space and its history. Contains master directory of more than 70 related text files.

914. GSC National Geomagnetism Program
http://www.geolab.nrcan.gc.ca/geomag/
Contains resources of the Geological Survey of Canada on the ever-changing magnetic field of Canada.

915. The Great Magnet, the Earth
http://www.phy6.org/earthmag/demagint.htm
Historical review of geomagnetism, from the discovery of the compass to plate tectonics and space observations. Also has instructions for teachers, glossary, and FAQ.

916. Commonground Rock Properties Database
http://commonground.mines.edu/
Database of the physical and geological properties of rock- and mineral samples. Also contains photos, descriptions and X-ray compositions.

917. Impact Structures
http://www.impact-structures.com/
Geology, geophysics, and petrology of impact structures (meteorite impact craters) with special focus on the Azuara and Rubielos de la Cérida impact structures (Spain).

Geomatics

918. Delft Institute for Earth-Oriented Space Research
http://www.deos.tudelft.nl/
Research activities related to processing and analyzing space based Earth observations and modeling/computing the high precision satellite orbits that are often required for that type of analysis. Geodesy is also a research area.

919. Digital Earth
http://digitalearth.gsfc.nasa.gov/
U.S. interagency Digital Earth working group: federal effort to implement Vice President Gore's Digital Earth concept (a vision for a global geospatial information network).

920. Leuven Earth Observation
http://www.kuleuven.ac.be/leo/leo.htm
L.E.O. was established at the Katholieke Universiteit Leuven to develop new application technologies in the field of earth observation in response to the growing needs of industrial and governmental sectors.

921. Geomaticien.com
http://www.geomaticien.com/
Geomatics, maps, scripts, portal, weather forecasts, help, samples, documentation and downloads.

Geographic

922. Geographic.org
http://www.geographic.org/
Easy to navigate reference site featuring country geographic, demographic information, and key global rankings in areas such as energy, economy, etc.

923. National Geographic's map-making machine
http://plasma.nationalgeographic.com/mapmachine/
Enables you to zoom in on a given region, country, city or village from the perspective of topography, politics, ecology, climate, infrastructure, &c.

924. A search of National Geographic
http://www.nationalgeographic.com
Will produce country references from the archives, including maps and fabulous photographs.

GIS-Geographic Information Systems

925. GIS.com
http://www.gis.com/
Provides introductory overviews on many aspects of GIS. Find information about industries, curriculums and current events in GIS.

926. GeoCommunity
http://www.geocomm.com/
Data downloads, news, software tools and utilities.

927. FreeGIS.org
http://freegis.org
Links to free software and data.

928. The Geographer's Craft Project
http://w ww.Colorado.EDU/geography/gcraft/contents.html
Global positioning system overview, written by Peter H. Dana.

929. Directions Magazine
http://news.directionsmag.com/
An online publication devoted to coverage of the GIS industry and well as guides to GIS related resources.

GPS - Global Positioning System

930. GPS Site from Univ of Texas
http://www.colorado.Edu/geography/gcraft/notes/gps/gps_f.html
Global positioning system overview and bibliography.

931. USCG Navigation Center
http://www.navcen.uscg.gov/
GPS, DGPS, LORAN-C, OMEGA, navigation systems, GPS navigation, DGPS navigation.

932. GPS Precise Orbits
http://www.ngs.noaa.gov/GPS/GPS.html
Global Positioning System satellite ephemerides ("orbits") information for the general public, from US NOAA. GPS precise orbits are derived using 24 hour data segments from the global GPS network.

933. GPS Applications Exchange
http://gpshome.ssc.nasa.gov/
GPS technology usage world-wide is featured. GPS application stories are accessed by geographic regions. GPS tutorials are available to enhance understanding.

Geodesy

934. Geodetic Datum Overview
http://www.colorado.Edu/geography/gcraft/notes/datum/datum_f.html
Introduction to geodetic datums, geometric earth models, global coordinate systems (such as latitude and longitude), datum conversions, and related topics. University of Texas.

935. Geodesy Laboratory & PANGA Data Analysis Facility
http://www.geodesy.cwu.edu/
They are part of a research program with the Department of Geölogical Sciences, Central Washington University.

936. Land Surveying and Geomatics: Geodesy
http://surveying.mentabolism.org/
Links to education and government sites.

Geology

937. Pangaea
http://www.pangaea.de/
An information system aimed at archiving, publishing and distributing data from global change research with special emphasis on geological, marine and environmental sciences.

938. Geoscapes Photography
http://www.geoscapesphotography.com/
Geologic and natural history landscape photography of the western United States and Pacific islands.

939. The Rock Pile
http://www.bbgeologist.com/geolinks/index.html
Geoscience Resources portal.

940. Allexperts Geology
http://www.allexperts.com/getExpert.asp?Category=1359
Geologists answer submitted questions about geology.

941. Evolving Earth Foundation
http://www.evolvingearth.org/
Earth science and natural science resources, articles and online education.

Geoarchaeology

942. Northern Vaca Plateau Geoarchaeology Project
http://www.ggy.uga.edu/~jwebster/vaca-web.htm
A multidisciplinary research effort that has carried out nine seasons (1990

- 1998) of work in the karst of western Belize. Project members, publications, virtual expedition.

943. Geoarchaeology: An International Journal
http://www.bu.edu/archaeology/journals/geoarch.html
An interdisciplinary journal that presents work at the methodological and theoretical interface between archaeology and the earth sciences. Publication guidelines and examples of recent articles.

944. SAA Geoarchaeology Interest Group
http://www.saa.org/Membership/I-GEO/
Group whose goal is to advance the science of geoarchaeology, ensure continued professional development of members within the group, and assist in educating future geoarchaeologists. Part of the Society for American Archaeology.

945. University of Oregon Geoarchaeology Field School
http://www.uoregon.edu/~ftrock/
Course covers geomorphology of semi-arid landscapes, descriptions of soils and stratigraphic sections, geomorphological mapping, air photo interpretation, and relationships between archaeological site location and environmental characteristics. The setting is south-central Oregon.

946. Geoarchaeology of Modern Deltas
http://www.nmnh.si.edu/paleo/deltas/geoarchaeology.htm
Brief profile of the geoarchaeology aspect of the Smithsonian's Deltas-Global Change Program.

Geometry

947. Geometry Center
http://www.geom.umn.edu/
Web site for the (now closed) Center for the Computation and Visualization of Geometric Structures at the University of Minnesota. Graphics, multimedia, software, teaching resources.

948. A Gallery of Interactive On-Line Geometry
http://www.geom.umn.edu/apps/gallery.html
At the Geometry Center.

949. Geometry in Action
http://www.ics.uci.edu/~eppstein/geom.html
This page collects various areas in which ideas from discrete and computational geometry meet some real world applications.

950. Fibonacci Numbers and the Golden Section
http://www.mcs.surrey.ac.uk/Personal/R.Knott/Fibonacci/fib.html
This is the Home page for the Fibonacci numbers, the Golden section and the Golden string. Department of Computing School of Electronic Engineering, IT and Mathematics, University of Surrey, UK.

951. Geometry and the Imagination in Minneapolis
http://www.geom.umn.edu/docs/doyle/mpls/handouts/handouts.html
Geometry exercises for a two-week summer workshop led by John Conway, Peter Doyle, Jane Gilman and Bill Thurston at the Geometry Center in Minneapolis, June 1991.

Geometric Algebra

952. Advances in Applied Clifford Algebras
http://www.clifford.org/journals/jadvclfa.html
This journal publishes research papers and notes, expository and survey articles, book reviews, reproduces abstracts and also reports on conferences and workshops in the area of Clifford Algebras and their applications to other branches of mathematics and physics, and in certain cognate areas.

953. Maths for (Games) Programmers: Multivector Methods
http://www.iancgbell.clara.net/maths/geoalg.htm
An introduction on this formalism and its applications in space-time.

954. Clifford Research Group -- University of Gent
http://cage.rug.ac.be/~fb/crg/
Includes contact details and a list of publications.

955. GABLE: A Matlab Geometric Algebra Tutorial
http://carol.wins.uva.nl/~leo/GABLE/index.html
Includes downloads of the program and tutorial text, as well as slides of a presentation.

Gold

956. WebElements: Gold
http://www.webelements.com/webelements/elements/text/Au/key.html
Extensive information on history, uses, occurrence, compounds, and properties.

957. It's Elemental: Gold
http://education.jlab.org/itselemental/ele079.html
Basic physical and historical information.

958. LANL: Gold
http://pearl1.lanl.gov/periodic/elements/79.html
Sources, properties, uses, cost, and isotopes.

959. ChemicalElements.com: Gold
http://www.chemicalelements.com/elements/au.html
Basic information, atomic structure, and table of isotopes.

960. USGS Minerals Information: Gold
http://minerals.usgs.gov/minerals/pubs/commodity/gold
Statistics and information on the worldwide supply, demand, and flow of the element (PDF format).

Graph Theory

961. The Four Color Theorem
http://www.math.gatech.edu/~thomas/FC/fourcolor.html
A brief summary of a new proof of the four color theorem by Neil Robertson, Daniel P. Sanders, Paul Seymour and Robin Thomas.

962. Graph Theory Resources
http://www.cs.columbia.edu/~sanders/graphtheory/
Links maintained by Daniel P. Sanders.

963. Traveling Salesman Problem
http://www.densis.fee.unicamp.br/~moscato/TSPBIB_home.html
A comprehensive listing of papers, source code and preprints.

964. Joseph Culberson's Coloring Page
http://www.cs.ualberta.ca/~joe/Coloring/index.html
Graph coloring bibliography, software, links.

965. Four Colour Theorem
http://www.geocities.com/dharwadker/
A new proof of the four color theorem by Ashay Dharwadker that uses group theory and Steiner systems.

Group Theory

966. Group Pub Forum Home Page
http://www.bath.ac.uk/~masgcs/gpf.html
These are the community pages for Group Theory, the mathematics of symmetry. Group Theory is a branch of algebra, but has strong connections with almost all parts of mathematics.

967. International Society for Group Theory in Cognitive Science
http://www.rci.rutgers.edu/~mleyton/GT.htm
Group theory in: Robotics, Problem-Solving, Planning, Learning, Language, Perception, Art, Design, Engineering, Manufacturing, Epistemology, Measurement, Computation, Neuroscience, Anthropology, Semiotics.

968. Semigroup Theory
http://www.maths.soton.ac.uk/semigroups/homepage.html
Directory of home pages and conferences maintained at Southampton University.

969. Symmetric Presentations
http://www.mat.bham.ac.uk/J.N.Bray/res.html
Some presentations of groups (symmetric or otherwise).

Grounded Theory

970. Grounded Theory Methodology References
http://rms46.vlsm.org/citations-gtm.html
from starting points to more advanced readings.

971. The Grounded Theory Institute
http://www.groundedtheory.org/
dedicated to the evolving methodology of Barney G. Glaser.

972. Anselm L. Strauss
http://www.socresonline.org.uk/1/4/strauss.html
(1916 - 1996) - co-developed this innovative research method called grounded theory.

973. Grounded Theory on the Web
http://www.groundedtheory.org/links.html
due to the nature and history of the development of Grounded Theory, some of these links present both similar and divergent approaches to Grounded Theory - by the Grounded Theory Institute.

974. Grounded theory: a thumbnail sketch
http://www.scu.edu.au/schools/gcm/ar/arp/grounded.html
... in which a brief overview of the process of grounded theory is presented; grounded theory is an emergent research process with some similarities to action research. By Bob Dick.

Graphemics and Orthography

975. Writing in Inuktitut
http://www.halfmoon.org/inuit.html
Includes an interactive Inuit script generator.

976. Symbols
http://www.symbols.com/
Encyclopedia of western signs and ideograms. More than 2,500 signs, from ideograms to graffiti, arranged into groups according to their graphic characteristics. Their histories, uses, and meanings.

977. Transliteration of Non-Roman Scripts
http://ee.www.ee/transliteration/
A collection of downloadable transliteration and romanization tables for non-Roman alphabets and scripts in .pdf format.

978. Evolution of Alphabets
http://www.wam.umd.edu/~rfradkin/
Site details the evolution of many of the world's major alphabets.

979. African Writing Systems
http://www.library.cornell.edu/africana/Writing_Systems/Amharic.html
An examination of the writing systems of Africa, including Amharic (Ethiopian).

Gulf area

980. Gulf and other Middle East
http://gulf2000.columbia.edu/
Provides a selective and well organized set of links about the Persian Gulf and other Middle East countries.

H

Halogens

981. Visual Elements: The Halogens
http://www.chemsoc.org/viselements/pages/data/intro_groupvii_data.html
Overview, general properties, and chemical data for the group.

982. The Chemistry of the Halogens
http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch10/group7.html
Covers their properties, methods of preparation, general trends, the hydrogen halides, and oxyacids of the halogens and their salts.

983. Doc Brown's Chemistry Clinic: The Halogens
http://www.wpbschoolhouse.btinternet.co.uk/page03/The_Halogens.htm
Includes an overview, general properties, reactivity trends, and information about the industrial electrolysis of sodium chloride solution.

Health Physics and Radiological Health

984. Radiation and Health Physics
http://www.umich.edu/~radinfo/
Information and links from the University of Michigan health physics students.

985. U.S. EPA Radiation Protection Division

http://www.epa.gov/radiation/

Information and educational materials. About radiological topics in general, plus EPA's activities in protecting the public and the environment from exposure, cleaning up radioactively contaminated sites, and participating in radiological emergency preparedness and response.

986. Health Physics

http://www.health-physics.com/

Journal of the Health Physics Society. Provides abstracts and information about online subscription, services and author submission materials.

987. Radiation Information Network

http://www.physics.isu.edu/radinf/index.html

Idaho State University site provides information on radiation and its effects and the professions of Radiation Protection.

Hiroshima and Nagasaki.

988. Radiation Effects Research Foundation

http://www.rerf.or.jp/

Private, nonprofit Japanese foundation, supported by the U.S. and Japan governments, that conducts research and studies on the effects of radiation exposure on humans with a view toward contributing to the maintenance of the health and welfare of atomic-bomb survivors and to the enhancement of the health of all people. Laboratories in Hiroshima and Nagasaki.

History of Science

989. Nobel e-Museum

http://www.nobel.se/

Biographies and Nobel Lectures of the prizewinners, from the Nobel Foundation.

990. 4000 Years of Women in Science

http://www.astr.ua.edu/4000WS/4000WS.html

Women's contributions to Science, from Antiquity to the Nineteenth Century.

991. Profiles in Science
http://profiles.NLM.nih.gov/
Biographical information and archival collections of several prominent twentieth-century American biomedical scientists.

992. Calendars Through the Ages
http://webexhibits.org/calendars/
History and FAQs of various calendars, including Julian, Gregorian, Jewish, Islamic, Chinese, and Mayan. Astronomy, years, months, and days of the week.

993. About Daylight Saving Time
http://webexhibits.org/daylightsaving/
History from Benjamin Franklin to the present. U.S. law and practice. Worldwide time change dates.

Histology

994. UF College of Medicine Histology Tutorial
http://www.Medinfo.ufl.edu/year1/histo/
Comprehensive tutorial in both quiz and review modes, with internal links to slides and an extensive glossary.

995. LUMEN Histology
http://www.meddean.luc.edu/lumen/MedEd/Histo/frames/histo_frames.html
Lesson plans with slides and practicals for the Loyola University Medical Education Network histology course.

996. JayDoc HistoWeb
http://www.kumc.edu/instruction/medicine/anatomy/histoweb/index.htm
A comprehensive histology atlas from the Kansas University Medical Center.

997. Martindale's Health Science Guide: Anatomy & Histology Center
http://www-sci.lib.uci.edu/HSG/MedicalAnatomy.html
Histology section includes exams, courses, techniques and procedures, and tissue preservation resources.

998. University of Delaware Mammalian Histology
http://www.udel.edu/Biology/Wags/histopage/histopage.htm
Course syllabus and class resources, including microscopic images, ultrastructural images, 3-D models, and labelled diagrams.

Historical

999. United States Library of Congress Map Collections
http://lcweb2.loc.gov/ammem/gmdhtml/gmdhome.html
Searchable collection of digitized maps in the public domain from North America, 1544-1996. Grouped into categories: cities, environment, exploration, immigration, military, and transportation.

1000. David Rumsey Collection
http://www.davidrumsey.com
Over 6,000 high-resolution digital images of maps from the David Rumsey Collection, one of the largest private collections of historic maps in the US. Focus is 18th and 19th c. North and South America cartographic materials.

1001. Historical Maps From Early America
http://earlyamerica.com/earlyamerica/maps/index.html
1790 - 1810 maps of United States, including Revolutionary War battle areas. Historical notes with each map.

1002. United States NOAA Office of Coast Survey
http://chartmaker.ncd.noaa.gov/csdl/ctp/abstract.htm
Nautical charts and sketches of the United States coast from the 18th and 19th c. sorted by state.

Herpetology

1003. Savannah River Ecology Lab Herpetology
http://www.uga.edu/srelherp/
Information on SREL herpetological research activities, plus images, sounds, and species descriptions of reptiles and amphibians of the DOE Savannah River Site.

1004. Herpetology at the American Museum of Natural History
http://research.amnh.org/herpetology/
Very informative general Herpetology reference.

1005. Reptiles and Amphibians of Minnesota
http://www.herpnet.net/Minnesota-Herpetology/
A photographic field guide and detailed accounts of the reptiles and amphibians of Minnesota.

1006. Reptiles and Amphibians of Iowa
http://www.herpnet.net/Iowa-Herpetology/
A photographic field guide and detailed accounts of the reptiles and amphibians of Iowa.

1007. Reptiles and Amphibians of Coastal Southern California
http://www.werc.usgs.gov/fieldguide/
Illustrated guide to all native and introduced species.

Helicopters

1008. Helicopter Aviation
http://www.copters.com/helicopter.html
This site deals with the aerodynamics of helicopters, instruction on how to fly helicopters, mechanical components, and helicopter maneuvers.

1009. How Does a Helicopter Work?
http://www.intelligentchild.com/mysteries/helicopter.html
Answers common questions about helicopters and how they work.

1010. Low Speed Aerodynamics Research Group, University of Glasgow
http://www.aero.gla.ac.uk/Research/LowSpeedAero/Lsamenu.htm
Conducts wind tunnel research on topics including the aerodynamics of helicopter rotor blades. Includes facility descriptions, profiles of current projects, and some online data.

1011. Swiss Helicopters by Markus Herzig
http://mypage.bluewin.ch/aviationworld/heli/
News and information about helicopters of Switzerland.

1012. Hummingbird Project
http://sun-valley.stanford.edu/~heli/
Hummingbird is a small research helicopter, at Stanford University's Aerospace Robotics Laboratory, which navigates using an integration of the Global Positioning System with computer vision.

Horology

1013. Daylight Saving Time
http://webexhibits.org/daylightsaving/
History of daylight saving time and how we use it to save energy.

1014. On Time
http://americanhistory.si.edu/ontime/
The Smithsonian Institute's exhibition on the changing ways we have measured, used, and thought about time over the past three hundred years.

1015. Horology.com
http://www.horology.com/
Horology is the science of time, timekeeping and timekeepers. Organized collection of links to horological websites globally.

1016. Clock a History
http://www.timekeepers.org/clock.htm
A brief history of time keeping. How mankind has used the sun, water, candles, sand, pendulums, springs, electronics, tuning forks, and quartz crystals, to tell time.

1017. Allan Variance -- Overview by David W. Allan
http://www.allanstime.com/AllanVariance/
Core algorithm of international time scale has multiple metrology applications, from atomic clock frequency characterization to definition of the meter. Equation, explanation and publications.

Hydroponics

1018. Hydroponics Resource for Inexpensive Startups
http://www.mayhillpress.com
Secrets for starting hydroponic businesses. Includes information about

hydroponic nutrients, maintenance, production, greenhouses, and marketing.

1019. Crop Physiology Laboratory - Hydroponics
http://www.usu.edu/~cpl/hydropon.html
Excellent source of information for recirculating hydroponics methodology from Utah State University.

1020. The Growing Edge
http://www.growingedge.com
A bimonthly magazine dedicated to hydroponics, aquaponics, and greenhouse growing. Provides a wealth of free information for soilless growers.

1021. Growing Hydroponic Tomatoes
http://www.ag.arizona.edu/hydroponictomatoes/
Interactive web site from the University of Arizona provides practical, accurate information on growing hydroponic tomatoes for students, hobbyists, and beginning growers.

1022. Hydroponic Society of America
http://hsa.hydroponics.org
Non-profit organization dedicated to the exchange of information in the field of hydroponics. Members include educators, researchers, vendors, commercial growers and hobbyists.

Horticulture

1023. The Center for Urban Horticulture
http://depts.washington.edu/urbhort/
Research, teaching, and public service on the selection, management and role of plants and ecosystems in the urban environment. Maintains the Union Bay Gardens, Washington Park Arboretum, Miller Horticultural Library, the Hyde Horticultural Herbarium, and the Douglas Research Conservatory. College of Forest Resources, University of Washington, Seattle.

1024. Floral and Nursery Plants Research Unit, U.S. National Arboretum
http://www.usna.usda.gov/Research/
Information on research activities at several locations, development of

new plant varieties, and development of new technologies for agriculture, the florist and nursery industries, and home gardeners.

1025. International Society for Horticultural Science
http://www.ishs.org/
Includes general and specific scientific information, links to journals, events calendar.

1026. Australian New Crops Project
http://www.newcrops.uq.edu.au/
Encouraging the commercialisation of potential new crops (including herbs, spices, and other horticultural crops) in Australia. Includes newsletter and links.

1027. The American Society for Horticultural Science
http://www.ashs.org/
Promotes and encourages scientific research and education in horticulture within the United States and throughout the world. Publisher of HortScience, HortTechnology, and the Journal of ASHS.

Hurricanes

1028. Unisys Weather: Hurricane and Tropical Data
http://weather.unisys.com/hurricane/index.html
Central source for a wealth of hurricane and cyclone information from around the world.

1029. International Pacific Research Center
http://iprc.soest.hawaii.edu/
Providing an international, state-of-the-art research environment to improve understanding of the nature and predictability of climate variability and regional aspects of global environmental change in the Asia-Pacific sector.

1030. Atmospheric and Oceanic Sciences
http://www.aos.wisc.edu/weather/index.html
University of Wisconsin's research program, with links to current satellite images and modeling data around the world.

HVAC

1031. HPAC Engineering

http://www.hpac.com/

Trade journal for heating, piping and air conditioning. With archive of all feature articles dating back to 1992 (download on purchase).

1032. Chartered Institution of Building Services Engineers (CIBSE)

http://www.cibse.org/

UK-based institution for building heating, ventilation and air conditioning.

1033. International Centre for Indoor Environment and Energy

http://www.ie.dtu.dk/

Based at Technical University of Denmark. Reports on research focusing on the effect of the indoor environment on humans, mainly thermal comfort and air quality.

1034. Heat Pipe Technology, Inc.

http://www.heatpipe.com/

Information about heat pipes and their use in dehumidification and heat recovery. Also describes company products.

I

Insects

1035. Insect Recipes

http://www.ent.iastate.edu/Misc/InsectsAsFood.html

As seen on the Tonight Show with Jay Leno. Recipes, nutrition information, where to buy insects, and the Insect Horror Film Festival.

1036. Bugfood!

http://www.uky.edu/Agriculture/Entomology/ythfacts/bugfood/bugfood.htm

Offers a variety of recipes and links to satisfy anyone's bug-filled food craving.

1037. Insect Snacks from Around the World

http://www.uky.edu/Agriculture/Entomology/ythfacts/bugfood/yf813.htm

From the University of Kentucky Department of Entomology.

1038. Food Insects Newsletter
http://www.hollowtop.com/finl_html/finl.html
How-to articles about harvesting and preparing insects.

1039. Eat Bug.Com
http://www.eatbug.com/
Edible insects, links, information, and recipes.

Immunology

1040. 50 Years NIAID - Immunologic Diseases
http://www.niaid.nih.gov/final/immds/immds.htm
Articles targeted at the general public on allergy and asthma, graft-vs-host diseases, immune deficiency diseases and autoimmune diseases. Also contains information on how the immune system works.

1041. Inflammation: The Leukocyte Adhesion Cascade
http://www.med.virginia.edu/medicine/basic-sci/biomed/ley/index.html
A detailed look at its various stages. Maintained by the University of Virginia.

1042. Grouppe Kurosawa.
http://www.grouppekurosawa.com/
Proponent for natural extracts which are derived from plants. Discusses how they challenge the immune system and therefore can be used in the effective treatment of acute and chronic diseases.

Image Processing

1043. Imaging Devices: Acquisition, Display, and Storage
http://www.browsebooks.com/Kabir/index.html
Chapter excerpt from Ihtisham Kabir's book, High Performance Computer Imaging, about the theory and practice of computer imaging.

1044. Efg's Reference Library
http://homepages.borland.com/efg2lab/Library/
Links and resources about image processing. Categories include

databases and test targets, algorithms, medical applications,and software packages.

1045. European Conference on Computer Vision
http://cmp.felk.cvut.cz/eccv2004/
Offers information on the people, policies, and attractions.

1046. Laboratory for Image and Video Engineering
http://live.ece.utexas.edu
Offers research and publications from the University of Texas at Austin.

1047. Efg's Computer Lab
http://www.efg2.com/Lab/ImageProcessing/TestTargets/
Technical note about USAF 1951 and Microcopy test targets.

Infrared Spectroscopy

1048. Infrared and Raman Spectra Interpretation by Group Frequencies
http://www.fisk.edu/infrared/
Five days of lectures in the field coupled with FT-IR laboratories and workshops at Stevenson Science Center, organized by the Fisk Inrared Institute in Nashville, TN.

1049. IR Spectroscopy Tutorial
http://chipo.chem.uic.edu/web1/ocol/spec/IR.htm
Contains an introduction to infrared spectroscopy as well as sample infrared spectra.

1050. Journal of Near Infrared Spectroscopy
http://www.nirpublications.com/jnirs.html
Includes abstracts and a search facility, as well as instructions for authors. Full text available for subscribers.

1051. ComSpec3D
http://www2.chemie.uni-erlangen.de/services/vrmlvib/
An online tool for calculation and visualisation of infrared and Raman spectroscopic results, with normal mode information.

1052. Infrared Spectroscopy
http://www.psrc.usm.edu/macrog/ir.htm
An elementary description of the mechanisms behind this technique with Shockwave animations.

Inorganic

1053. Lawrence Berkeley National Laboratory: Particle Adventure
http://particleadventure.org/
The fundamentals of matter and forces.

1054. Atom gallery
http://www.almaden.ibm.com/vis/stm/gallery.html
Scanning Tunneling Microscopy image gallery of many metals and surfaces on an atomic scale.

1055. Viselements
http://www.chemsoc.org/viselements/pages/page3.html
A visual intrepretation of the table of elements.

1056. Selected Classic Papers from the History of Chemistry
http://webserver.lemoyne.edu/faculty/giunta/papers.html
Including many for early to present atomic hypothesis and the discrete nature of matter.

1057. American Institute of Physics Center for History of Physics: The Discovery of the Electron
http://www.aip.org/history/electron/
An exhibit with text, animations and voice about J.J. Thomson's 1897 experiments which helped bring understanding of the electron as a fundamental unit of matter.

Industrial Ecology

1058. The International Society for Industrial Ecology
http://www.yale.edu/is4ie/
The mission of the ISIE is to promote the use of industrial ecology in research,education, policy, community development, and industrial practices. In order to accomplish this mission, ISIE seeks to build a

community of interest, support cumulative learning, produce quality research, and promote social change.

1059. eiolca.net - Free Life Cycle Assessment on the Internet
http://www.eiolca.net
Uses 1992 input-output table of US economy to show economic and environmental effects of producing 500 commodities.

1060. Journal of Industrial Ecology
http://www.yale.edu/jie/
Yale University website for this journal includes calls for papers and archives tables of contents.

1061. Indigo Publications
http://www.indigodev.com/Papers.html
Creating systems solutions for sustainable development through industrial ecology information and publications.

1062. Multi-Lifecycle Engineering Research Center
http://merc.njit.edu/
New Jersey Institute of Technology interdisciplinary research in environmentally sustainable engineering, including life-cycle assessment, recovery of materials from waste, reengineered materials, and demanufacturing.

Instruments and Supplies

1063. Select Science
http://www.selectscience.net/
A consumer based link list for laboratory equipment giving independent and professional equipment recommendations. Registration required.

1064. ACS Publications Division
http://pubs.acs.org/pin/labproducts.html
Product showcase, an extensive link list from the ACS.

1065. Laboratory Products Association
http://www.lpanet.org/
Search for lab products and services, worldwide by product name or company name.

1066. Biomechanics Yellow Pages
http://isb.ri.ccf.org/biomechyp/
Resources for the bio-mechanics and bio-chemical community.

1067. Laboratory Instrument Browser
http://www.labinstrumentbrowser.com/
Company research and business information tool for professionals in the laboratory analytical instrument industry. Subscription-based and fees.

Information Theory

1068. Information Theory
http://www.lucent.com/minds/infotheory/
A basic introduction and history of information theory from Bell Labs.

1069. Entropy in Information Theory
http://www.math.psu.edu/gunesch/entropy.html
A collection of links to on-line expository articles on entropy and theory of information, maintained by Roland Gunesch (Penn State).

1070. Self-Organizing Systems (SOS) FAQ
http://www.calresco.org/sos/sosfaq.htm
Includes a very extensive catalog of links on SOS.

1071. Rip Claude Shannon
http://plus.maths.org/issue15/features/shannon/
Tells about the inventor's discovery of the binary system for transmitting information. Also, discusses work with artificial intelligence. Includes resource links.

1072. Introduction To Algorithmic Information Theory
http://szabo.best.vwh.net/kolmogorov.html
An introduction to the synthesis of computation and information theory by Nick Szabo.

Infinity

1073. Hotel Infinity
http://www.c3.lanl.gov/megamath/workbk/infinity/infinity.html
Includes articles on big ideas and concepts, an introduction on

background ideas, activities, books to read and a page of resources as well as a vocabulary index.

1074. Counting to Infinity
http://www.scidiv.bcc.ctc.edu/Math/infinity.html
Introduction to infinity including the origins of the sign for infinity and pictures.

1075. Mathnet : Does "Infinity" Exist?
http://www.math.toronto.edu/mathnet/answers/infinity.html
Looks at the 3 different contexts and says for each whether infinity exists in each one and why. Links to other essay on the same site on infinity.

1076. Infinity
http://pespmc1.vub.ac.be/INFINITY.html
Article about infinity. Talks about protential infinity and actual infinity.

1077. Hector Parr's Essays: Infinity
http://www.c-parr.freeserve.co.uk/hcp/infinity.htm
Includes a look at the concept of infinity and the logical flaws in the different contexts of infinity.

Industrial Engineering

1078. The Gilbreth Network
http://gilbrethnetwork.tripod.com/
Information about the lives and work of engineers and efficiency experts Frank and Lillian Gilbreth.

1079. The Toyota Production System
http://www.toyotaproductionsystem.net
Ohno's Formula, Little's Formula, Morgan's Formula and Morgan's Expansion. The science of the Toyota Production System.

1080. Project Management: Doing It Better
http://www.mindconnection.com/library/business/projectmanagement.htm
Article on some basic principles.

1081. Definition of Industrial Engineering
http://www.ecn.purdue.edu/ESCAPE/fields/industrial/defn.html
From ESCAPE: The Engineering Specific Career Planning and Problem-Solving Environment.

International Relations and Diplomacy
1082. US State Department Near Eastern Affairs
http://www.state.gov/p/nea/
provides a wide variety of information and reports on US policy toward the Middle East.

1083. European Institute for Research on Mediterranean and Euro-Arab Cooperation
http://www.medea.be/site.html?idx=54&page=2&lang=en&doc=#54
Has good information files on people, groups, UN resolution and stats and an Arabic press review in French as well as info on the Euro-Arab parliamentary dialogue.

J

Jupiter

1084. The Nine Planets: Jupiter
http://seds.lpl.arizona.edu/nineplanets/nineplanets/jupiter.html
General information, some statistical data and links.

1085. Views of the Solar System: Jupiter
http://www.solarviews.com/eng/jupiter.htm
Views, animations, general information and data of the planet and its satellites.

1086. NSSDC: Comet Shoemaker-Levy 9 Collision
http://nssdc.gsfc.nasa.gov/planetary/comet.html
General information, reports and pictures of the event taken from many observatories.

1087. The Planet Jupiter
http://www.the-planet-jupiter.com/
Pictures and quizzes about the planet and its moons.

1088. Planetary Ring Node: Jupiter's Ring System
http://ringmaster.arc.nasa.gov/jupiter/jupiter.html
Information, animations, images and references.

1089. Astronomy 161: The Planet Jupiter
http://csep10.phys.utk.edu/astr161/lect/jupiter/jupiter.html
General features and some pictures.

1090. Windows to the Universe: Jupiter
http://www.windows.ucar.edu/cgibin/tour_def/jupiter/jupiter.html
Overview of several aspects of the Jovian science. Versions available for beginner, intermediate and advanced level users.

1091. Jupiter: The Giant Planet
http://www2.worldbook.com/features/jupiter/html/intro.htm
Physical features, space probes, effects of comet impact, and web links (from World Book).

1092. Welcome to the Planets: Jupiter
http://pds.jpl.nasa.gov/planets/welcome/jupiter.htm
Includes a planetary profile with statistics and pictures.

1093. Jupiter Viewer
http://ringside.arc.nasa.gov/www/tools/viewer2_jup.html
Online software for line drawings of bodies in the Jovian System as seen from various observatories and spacecraft.

K

Knowledge Management

1094. Imesh
http://www.imesh.org/
An international initiative with the aim of supporting communication and collaboration amongst subject gateway providers and related parties.

1095. Brint.com
http://www.brint.com
Portal features summaries of various aspects knowledge management and organizational learning, virtual organizations, and system theory.

1096. Knowledge Board

http://www.knowledgeboard.com

The EC Knowledge Management Forum portal: identifying terminology, application and implementation, to define "KM Made in Europe". Industry news, case studies, events, academic papers, discussion forums, and a fortnightly newswire.

1097. The Knowledge Management Forum

http://www.km-forum.org/

A community of practice discussing the theories, methods, and practices.

1098. Knowledge Management

http://www.outsights.com/systems/kmgmt/kmgmt.htm

An introductory article by Gene Bellinger that outlines key concepts in the field. Features annotated links to related resources.

1099. Knowledge Nurture

http://www.knowledge-nurture.com/

Our goal is to host a place for people to dialogue, to provide people with the means to share information and to establish a resource to help people learn about knowledge management. Our audience is not only our associates within Buckman Laboratories, but the world-wide knowledge management community: practioners, newcomers, academics, students, and thinkers.

1100. WWW Virtual Library of Knowledge Management

http://km.brint.com/

A compilation of knowledge management articles, forums, analyses, calendar, positions and bibliographies.

1101. Knowledge Management

http://www.aiai.ed.ac.uk/~alm/kamlnks.html

Enterprises are realising how important it is to "know what they know" and be able to make maximum use of the knowledge. Artificial Intelligence Applications Institute (AIAI).

1102. Developing a Knowledge Strategy

http://www.cba.neu.edu/~mzack/articles/kstrat/kstrat.htm

Michael H. Zack. Most knowledge management initiatives are viewed

primarily as information systems projects. Strategic advantage can come from knowing more than competitors, if companies can explicitly articulate the link between knowledge and strategy.

1103. Knowledge Management and Knowledge Management Systems
http://www.mbs.umd.edu/is/malavi/icis-97-KMS/index.htm
A tutorial by Maryam Alavi, a Presentation in ICIS '97.

1104. Knowledge Ecology
http://www.KnowledgeEcology.com/
An interdisciplinary field of management theory and practice, focused on the relational and social/behavioral aspects of knowledge creation and utilization.

1105. CALT Encyclopedia: Knowledge Management & Workflow
http://www.insead.fr/CALT/Encyclopedia/ComputerSciences/Groupware/Workflow/
A collection of annotated resources that features links to conferences, research organizations, software providers, and consulting firms, as well as educational sites.

1106. Knowledge Management Lab
http://www.kmlab.fiu.edu/index_.htm
Center at Florida International University (FIU) that researches and evaluates practices, processes, and technologies. Offers papers, links, information on mission objectives, and member profiles.

1107. Total Knowledge Management
http://www.totalkm.com
Knowledge mapping, corporate intranets, building a culture of knowledge sharing, information on training workshops and consultancy projects in knowledge management.

1108. Resources on Knowledge Management
http://www.media-access.com/resources.html
Bibliography of print sources for a Knowledge Management study that focuses on applied aspects of the field.

1109. KM World
http://www.kmworld.com/
News stories, upcoming events, workshops, conferences and resources in the knowledge management field.

Kuiper Belt

1110. New Horizons
http://pluto.jhuapl.edu/
An unmanned Pluto-Kuiper Belt probe study. New Horizons, if approved, would launch in 2006.

1111. The Kuiper Belt and the Oort Cloud
http://seds.lpl.arizona.edu/nineplanets/nineplanets/kboc.html
Primer on objects in the outer solar system from The Nine Planets multimedia tour of the solar system.

1112. Kuiper Belt
http://www.ifa.hawaii.edu/faculty/jewitt/kb.html
Guide to KBOs and recent research by Dr. David Jewitt of the University of Hawaii Institute for Astronomy.

1113. Lowell Observatory: Deep Ecliptic Survey
http://www.lowell.edu/Research/DES/
The official home page of the Deep Ecliptic Survey, an initial reconaissance of the Kuiper Belt.

1114. NASA Goddard Joins Team to Explore the Solar System's Final Frontier
http://www.gsfc.nasa.gov/newsrelease/releases/2001/01-121.htm
NASA's Goddard Space Flight Center has joined a team led by the Southwest Research Institute to begin design studies for what could be the first spacecraft to visit PLuto and the Kuiper Belt.

Knot Theory

1115. Knots on the Web (Peter Suber)
http://www.earlham.edu/~peters/knotlink.htm
The most comprehensive collection of knotting resources on the web.

Sections on knot tying, mathematical knot theory, knot art, and knot books.

1116. Megamath Knot Theory Page
http://www.c3.lanl.gov/megamath/gloss/knots/knots.html
An introductory overview of knot theory.

1117. Knot Theory
http://mathworld.wolfram.com/topics/KnotTheory.html
An overview of knot theory from Mathworld.

1118. Using Topology to Probe the Hidden Action of Enzymes
http://www.ams.org/notices/199505/sumners.pdf
Describes how knot theory is used to understand the action of enzymes that affect DNA topolgy (in pdf format).

1119. Mathematics and Knots Exhibition
http://www.bangor.ac.uk/cpm/exhib/
High school level introduction to knot theory. Covers colourings, connected sums, torus knots, prime knots and applications of knot theory.

L

Lepidopterology

1120. Lepidopterists' Society
http://www.furman.edu/~snyder/snyder/lep/
This is an international society devoted to the study and appreciation of butterflies and moths.

1121. The International Lepidoptera Survey - The Taxonomic Report
http://www.tils-ttr.org/
An organization devoted to discovering and describing new species and forms of butterflies and moths. Includes sample issues of The Taxonomic Report and an extensive photo gallery of specimens.

1122. Lepidoptera Listserver
http://www.peabody.yale.edu/other/lepsl/
From Yale Peabody Museum comes this service to facilitate

communication among people sharing an interest in butterflies and moths.

1123. Journal of Research on the Lepidoptera
http://www.doylegroup.harvard.edu/~carlo/JRL/jrl.html
Irregularly published international journal of the Lepidoptera Research Foundation. Tables of contents and instructions to authors.

1124. Online Lepidopterists' Who's Who
http://www.esb.utexas.edu/philjs/olww/olww.html
Phil Schappert's database of Lepidopterists, to facilitate communication among Lepidopterists.

1125. Lepidopterological Sociey of Japan
http://lepi-jp.org/
Information about the club and its activities. In Japanese and English.

1126. Association for Tropical Lepidoptera
http://www.troplep.org/
Non-profit scientific society and educational membership organization, founded to promote the study and conservation of Lepidoptera worldwide, especially in the tropical regions of the world.

Lepidoptera

1127. Moths and Butterflies of Europe
http://www.leps.it/
A large photo gallery of European moths and butterflies, including larvae and pupae.

1128. UK Butterflies and Moths
http://www.nhm.ac.uk/entomology/cockayne/
An online collection database with specimen images and details from the Natural History Museum.

1129. Butterflies and Moths of the World
http://www.nhm.ac.uk/entomology/butmoth/
Searchable database of generic names and type species. From The Natural History Museum, London.

1130. LepIndex - Global Lepidoptera Names Index
http://www.nhm.ac.uk/entomology/lepindex/
An online, updated version of The Natural History Museum's card index archive to the scientific names of the living and fossil butterflies and moths (Lepidoptera) of the world.

1131. Colour Atlas of the Siberian Lepidoptera
http://www.geocities.com/RainForest/Jungle/5695/butt.html
Photos of specimens by Siberian entomologist Eduard Berlov.

1132. Lepidoptera.Net
http://www.lepidoptera.net/
Photographs and information about almost all of the common species of butterflies in Georgia, USA with some photos of butterflies and moths from around the world.

1133. Butterfly and Moth Lifecycles
http://cse.unl.edu/~scotth/moths-butterflies.html
Photographs of captive moths and butterflies, including cocoons and caterpillars, mostly from Nebraska, USA.

1134. Lepidoptera Resources
http://lepidopteraresources.homestead.com/
Lists of butterfly and moth books and stamps; links.

1135. The Nuelle Collection
http://www.worldleps.com/
Photos of butterfly and moth specimens, mostly from Texas, by Robert Nuelle.

Lion

1136. Lion Research Center
http://www.lionresearch.org/
Research unit based at the University of Minnesota (USA), working on basic biology and conservation of African lions. Includes research results and details of current projects.

1137. Lions-Africa's Majestic Maned Cats
http://www.watchtower.org/library/g/1999/1/22/article_05.htm
General information about the lion's physical characteristics and social behavior.

1138. Asiatic Lion Information Centre
http://www.asiatic-lion.org/
Provides a central resource on the Internet for information about the Asiatic lion and the conservation efforts in progress to protect it.

1139. African Lion Working Group
http://www.african-lion.org/
Network of specialists in conservation, research and management of free-roaming African lion populations. Includes notes on conservation issues, ecology, behavior, research projects and news.

1140. King of Beasts
http://www.lionlmb.org/lion.html
A site dealing with all aspects of the lion. Contains much information on the lion, as well as comprehensive listings of lion books, videos and software.

1141. The World Conservation Union : Asiatic Lion
http://lynx.uio.no/catfolk/asaleo01.htm
Information about the behavior, biology, habitat, threats and protection status of the Asiatic lion.

1142. African Lion (Panthera leo krugeri)
http://www.thebigzoo.com/Animals/African_Lion.asp
Facts, photos and videos of the African lion. Includes a video of a lion roaring.

1143. Animals of Africa -- Lions
http://www.hlla.com/reference/anafr-lions.html
An in-depth look at the hunt. Text only. Excerpted from the book Animals of Africa.

1144. Tigress.com
http://tigress.com/rif/animals/cats/leo.html
Description of range, history, diet, behavior and habitat of the African lion.

Lizards

1145. Bearded Dragon Pictures
http://www.dachiu.com/gallery/pix.html
Photos of different color morphs of Pogona vitticeps.

1146. The Striped Legless Lizard
http://aerg.canberra.edu.au/pub/aerg/herps/fndelma.htm
Information on Delma impar.

1147. Lizards of Western Australia
http://www.geocities.com/lizardkingwa/
Includes detailed information for several species and many images.

M

Mammals

1148. Comparative Mammalian Brain Collections
http://brainmuseum.org/
Youth of all ages can learn the similarities and differences of the brains of various mammals, including brain sections, circuitry, and functions.

1149. The Hall of Mammals
http://www.ucmp.berkeley.edu/mammal/mammal.html
Find information on four major groups of mammals; further facts on placental mammals includes fossil records and ecology.

1150. Animal Information
http://www.animalinfo.org/
Biology, ecology, habitat, and status of rare, threatened, and endangered species of mammals and information in their native countries. Topics of interest are biodiversity, ecosystems, population, and land use.

1151. Whale Club
http://www.whaleclub.com/
Promotes awareness toward marine mammals and the oceans they live in. Includes answers to frequently asked questions.

1152. Mammals
http://www.nature.ca/notebooks/english/mammpg.htm
A variety of short slides on many mammals of interest ranging from the African elephant to the Wolverine and Zebra. Pictures included as well.

1153. Whales, Dolphins, and Porpoises of the Cetacea Order
http://nmml.afsc.noaa.gov/education/cetaceans/cetacea.htm
Research on marine mammals, with emphasis on the order of Cetacea. Find out why porpoises, dolphins, and whales belong to this order of species.

1154. 4 to 40 Mammals
http://www.4to40.com/earth/geography/htm/mammals.asp
Small paragraphs of information about several mammals, including scientific classification, dimensions, habitat, and interesting facts.

1155. Animal Information & Images
http://www.bearcountryusa.com/animals/animal.htm
Answers to frequently asked questions by kids about mammals such as bears and wolves.

1156. Mammal Zone
http://tqjunior.thinkquest.org/3753/
Brief information on a variety of mammals including the (feline) cat family, elephants, and wolves.

Middle east

1157. Chronology of the Middle East
http://middleeast.reference.users.btopenworld.com
An extensive chronology of the Middle East from 1908 to the present.

1158. The Middle East Institute in Washington DC
http://www.mideasti.org/html/links.html
Has a fairly comprehensive list of links to other research institutions and sites.

Myriapoda

1159. Introduction to the Myriapoda
http://www.ucmp.berkeley.edu/arthropoda/uniramia/myriapoda.html
UCMP Berkeley's outline of myriapod history, biology and taxonomy.

1160. Centipedes and Millipedes
http://www.ianr.unl.edu/ianr/lanco/enviro/pest/factsheets/012-93.htm
University of Nebraska Cooperative Extension in Lancaster County factsheet and optional audio on centipedes and millipedes.

Manatees

1161. Save the Manatee Club
http://www.savethemanatee.org/
Information about endangered manatees and their habitat, places to view manatees, FAQ, educational resources, conservation activities, and an Adopt-A-Manatee program.

1162. ManateeCam
http://www.nccentral.com/citrus/pages/manateecam/manateecam.htm
Images of a manatee from Hormossa Springs, Florida./

1163. Sea World: Manatees
http://www.seaworld.org/infobooks/Manatee/home.html
Topics include physical characteristics, distribution, diet, and communication.

1164. Manatees
http://www.press.jhu.edu/books/walker/sirenia/sirenia.trichechidae.trichechus.html
Detailed description of the family Trichechidae and its three members.

1165. Wonderful World of the Manatee
http://www.manateeworld.net/
Information and photos, including how to adopt a manatee and where to see them. [Javascript required].

1166. About Manatees
http://www.mote.org/~jkoelsch/about_manatees.phtml
Includes biological facts about manatees, and information about research done by Mote Marine Laboratory in Sarasota County.

N

Nemertea

1167. Introduction to the Nemertini
http://www.ucmp.berkeley.edu/nemertini/nemertini.html
Introduction to the Nemertini, the ribbon worms. A short page with a single photograph.

1168. Phylum Nemertea (Rhynchocoela)
http://www.teachingbiomed.man.ac.uk/bs1999/bs146/biodiversity/nemer.htm
An introduction to the phylum, text only, no pictures.

1169. Nemertea
http://ag.arizona.edu/ENTO/tree/eukaryotes/animals/nemertea/nemertea.html
Ribbon worms.

Nobel Prize

1170. Nobel Foundation
http://www.nobel.se
With a biography **Alfred Nobel**, the history and management of the foundation, information about all of the Laureates, and how they are selected.

1171. The Nobel Prize Internet Archive
http://www.almaz.com/nobel
Information on previous recipients categorized by prize.

1172. Winners of the Nobel Prize
http://www.improb.com/ig/ig-pastwinners.html The 2003 **Nobel Prize Winners**. ... The 2002 **Nobel Prize Winners**. See video of the 2002 ceremony.

1173. Nobel Prizes in Chemistry
http://userpage.chemie.fuberlin.de/diverse/bib/nobel_chemie_e.html
List winners from 1901 to the present.
Cached

1174. Nobel Channel
http://www.nobelchannel.com
Explores the history of the **Nobel** laureates and the Nobel Prizes.

O

Octopuses

1175. Nature: The Octopus Show
http://www.pbs.org/wnet/nature/octopus/
Describes the ingenuity of these magnificent creatures. Also how they live and how they are capable of disguising themselves. Includes video clips.

1176. Octopus
http://www.germantown.k12.il.us/html/octopus.html
Provides information about the octopus such as life cycle, predator defense, and habitat.

1177. About Octopi
http://www.marinelab.sarasota.fl.us/OCTOPI.HTM
Information about octopus behavior, taxonomy, and anatomy.

1178. Giant Pacific Octopus
http://www.npca.org/marine_and_coastal/marine_wildlife/octopus.asp
Sketch and fact sheet from the National Parks Conservation Association.

1179. Encarta Encyclopedia: Octopus
http://encarta.msn.com/find/Concise.asp?z=1&pg=2&ti=761564551
Article provides a brief description of this creature and its habits.

Oligochaeta

1180. Earthworm Information
http://www.sarep.ucdavis.edu/worms/
Extensive information about individual species, ecology and biology, and role in agriculture.

1181. Oligochaeta
http://www.chebucto.ns.ca/Science/SWCS/ZOOBENTH/oligocha.html
A nice summary of the families of freshwater Oligochaetes found in North America.

Onychophora

1182. Introduction to the Onychophora
http://www.ucmp.berkeley.edu/onychoph/onychophora.html
The Onychophora, or velvet worms: introduction, systematics, fossil history, morphology and ecology.

Ornithology

1183. Cornell Laboratory of Ornithology
http://birds.cornell.edu/
Membership institute whose mission is to interpret and conserve the earth's biodiversity through research, education, and citizen science focused on birds.

1184. American Ornithologists' Union
http://www.aou.org/
The oldest and largest organization in the New World devoted to the scientific study of birds. Includes the authoritative Check-List of North American Birds.

1185. Are Birds Really Dinosaurs?
http://www.ucmp.berkeley.edu/diapsids/avians.html
A DinoBuzz article covering the theory, and objections towards it, of the dinosaurian origin of birds.

1186. BIRDNET
http://www.nmnh.si.edu/BIRDNET/
The Ornithological Council's site with comprehensive information about North American ornithological resources.

1187. Electronic Resources on Ornithology
http://www.chebucto.ns.ca/Environment/NHR/bird.html
Links and articles by Christopher Majka.

1188. Association of Field Ornithologists
http://www.afonet.org/
Society of professional and amateur ornithologists with a focus on the Western Hemisphere, particularly the Neotropics. Journal of Field Ornithology, banding supplies, organizational info, awards program, Neo-Ornithological literature citations, and guide to graduate schools.

1189. Institute for Bird Populations
http://www.birdpop.org/
Conducts research on changes in the abundance, distribution, and ecology of bird populations, mostly in North America.

1190. Ornithological Web Library
http://www.aves.net/the-owl/
A comprehensive library of ornithological and birding links.

1191. Ornithology: the Science of Birds
http://www.ornithology.com/
Dedicated to the dissemination of information on the science of wild birds, with emphases on conservation and education.

1192. Ornith-L
http://listserv.uark.edu/archives/ornith-l.html
Archives and subscription management for the e-mail group for scientific discussion of ornithology.

1193. Bird Conservation Research, Inc.
http://www.birdconservationresearch.org/
Nonprofit foundation dedicated to open space concerns that conducts research on birds. Includes results of some studies.

1194. House of Bird Research
http://www.birdresearch.dk/gb/gbmenu.htm
Home of Johannes and Helga Erritzoe, authors and bird researchers. General information about bird research and their books, including "The Birds of CITES" and "Pittas of the World".

1195. Tropical Birds
http://www.studyabroad.com/lasuerte/div.html
Information on a course designed to provide a detailed view of neotropical ornithology.

Owls

1196. Burrowing Owl
http://www.kidsplanet.org/factsheets/burrowingowl.html
Comprehensive information about the size, description, habitat, life span, and diet of the burrowing owl.

1197. Cactus Ferruginous Owl
http://www.kidsplanet.org/factsheets/cactuspygmyowl.html
Learn about the size, habitat, diet, and behavior of this desert dwelling owl.

1198. Owls
http://www.enchantedlearning.com/subjects/birds/info/Owl.shtml
Learn about the habitat, range, diet, and body structure of the owl.

1199. Great Horned Owl
http://www.animalsoftherainforest.com/greathorned.htm
Contains information about the habitat, diet, size, and enemies of this extraordinary owl.

1200. My Owls of the World
http://members.tripod.com/~myowls/index.html
Everything you wanted to know about Owls but were afraid to ask.

P

Platypus

1201. Platypus Tropical Research
http://www.wildscapes-safaris.com.au/tpresearch.htm
Information, field research trips, first platypus research project in Tropical North Queensland.

1202. Rainforest Platypus
http://www.rainforest-australia.com/platypus.htm
Rainforest Platypus, photos and text. Courtesy of Chambers Wildlife Rainforest Lodge, Atherton Tableland, Far North Queensland, Australia.

1203. What is a Platypus?
http://www.platypuscomputing.com/platwhat.html
Etymology and a reading list.

1204. Sleep of the Platypus
http://helix.nature.com/nsu/980813/980813-5.html
Article by Henry Gee about the sleeping patterns of the platypus as compared with other mammals.

Platyhelminthes

1205. Introduction to the Platyhelminthes
http://www.ucmp.berkeley.edu/platyhelminthes/platyhelminthes.html
Introduction to the Platyhelminthes, the flatworms: life in two dimensions. One page of text with a few photographs.

1206. Phylum Platyhelminthes
http://animaldiversity.ummz.umich.edu/platyhelminthes.html
An introduction to the phylum with more pages about the Turbellaria, Monogenea, Digenea and Cestoda, from Animal Diversity Web.

1207. Flatworms: British Marine Life Study Society
http://ourworld.compuserve.com/homepages/BMLSS/planaria.htm
One page about a planarian and one page about the life cycle of the digenean Cryptocotyle lingua, with a few photographs.

1208. Platyhelminthes
http://martin.parasitology.mcgill.ca/jimspage/biol/platy.htm
A summary of platyhelminth characteristics, with emphasis on the three parasitic classes.

1209. Platyhelminthes Hub
http://www.knowdeep.org/platyhelminthes/
Links to research articles and images.

Politics

1210. TerrorismAnswers.com

http://w ww.terrorismanswers.com/home

"Terrorism: Questions & Answers" is run by the Council on Foreign Relations in New York, publishers of Foreign Affairs magazine. Here's what the site says: "If you're bewildered by anthrax, Afghanistan, and a lot else that's happened since September 11, join the crowd. Our aim is to help sort it all out for you -- in a question-and-answer format that's authoritative, easily understandable, and nonpartisan. We'll tell you what we know and what we don't know." Think of it as an online encyclopedia about terrorism. It's a work in progress that is a good starting point to learn more about the subject.

1211. The United Nations website

http://www.un.org

Has an inordinate amount of information on countries, UN resolutions, etc. There are also many other organizations dedicated to research on the Middle East

1212. Human Rights

http://www.hrw.org/mideast

A variety of organizations compile reports on human rights in the Middle East, including Human Rights Watch.

1213. International Relations and Diplomacy

http://www.state.gov/p/nea/

Provides a wide variety of information and reports on US policy toward the Middle East.

1214. Governments on the Web:

http://www.gksoft.com/govt/en provides a list of Links to governmental sites for most countries (ministries, embassies, etc.).

1215. Constitutions:

http://www.uni-wuerzburg.de/law

Has constitutions for most nations.

1216. Elections:

http://www.electionworld.org/election

Provides minimal election statistics and links to information about political parties.

1217. Freedom House
http://freedomhouse.org
The best resource on the web for information about freedom and democracy around the world

Porifera

1218. Introduction to Porifera
http://www.ucmp.berkeley.edu/porifera/porifera.html
A good start on the biology of sponges, including phylogeny, life history, and ecology.

1219. Porifera Biology on the WWW
http://www.mailbase.ac.uk/lists/porifera/files/
A central clearinghouse for sponge researchers, including a porifera listserver bulletin board and who's who in sponge research.

1220. Hermit Crab Sponges
http://www.public.coe.edu/departments/Biology/hermit.html
An article by Floyd Sandford about the sponges that are carried around by hermit crabs.

1221. The Sponges of British Columbia
http://www.interchg.ubc.ca/csmecher/sponge.htm
Descriptions of sponges by Curt Smecher.

Primatology

1222. Primate Information Network
http://www.primate.wisc.edu/pin/
Wisconsin Regional Primate Research Center at the University of Wisconsin – Madison.

1223. International Directory of Primatology
http://www.primate.wisc.edu/pin/idp/
Directory of organizations, field studies, population management groups, information resources, and people active in the field of primatology.

1224. Primate Research Institute
http://www.pri.kyoto-u.ac.jp/
Kyoto University's primate resources.

1225. African Primates at Home
http://www.indiana.edu/~primate/primates.html
Photos, audio, and information about wild monkeys and apes studied by primatologist Dr. M.K. Holder in East Africa. Also includes links to full description of habitat.

1226. German Primate Center
http://www.dpz.gwdg.de/
General information, research, photo gallery, publications, and news.

1227. Primate Society of Great Britain
http://www.psgb.org/
Promotes research into primate biology, conservation and management and invites membership from people with a serious interest in primates. Site provides thorough coverage of the Society's work.

1228. Atlas of the Primate Brain
http://rprcsgi.rprc.washington.edu/~atlas/
Stereotactic images of the primate brain for use as templates.

Press

1229. http://www.sahafa.com/
For Arabic, French and English papers from around the Arab World

1230. http://www.middleeastnews.com/
For links to papers of various Arab and Muslim countries.

R

Radio Arab

1231. RadioFree Liberty
http://www.rferl.org
One of the best news sources for the Arab world.

RELIGION AND PHILOSOPHY

1232. Academic Info: Philosophy
http://www.academicinfo.net/phil.html
An extensive directory of sites on the study of philosophy. Includes sections on specific philosophical topics and general reference sources.

1233. Academic Info: Religion
http://www.academicinfo.net/religindex.html
This site contains an extensive directory of Web sites devoted to world religions. Especially useful for the academic study of comparative religions.

1234. Adherents-Religion Statistics and Geography
http://www.adherents.com/
This site offers an insight into the growing collection of church memberships and religion inherent statistics. They have more than 50,000 statistics for more than 4,200 faith groups from all major and most minor religions. Very statistical.

1235. BBC World Service-Religions of the World
http://www.bbc.co.uk/worldservice/people/features/_world_religion s/
Learn more about the maior religions of the world at this site, which brings together information about Islam, Hinduism, Christianity, Buddhism, Judaism, and Sikhism.

1236. IBelieve.com
http://ibelieve.com/
An Internet gathering place for Christians, who'll find fellowship, inspiration, teachings, news, and shopping opportunities all in one place. Find out how to bring others nearer to God without being too aggressive in your approach. And deepen your own relationship with Him through this site.

1237. Religion and Philosophy Web Sites
http://www.chowan.edu/acadp/Religion/websites.htm
There are links to many religion and philosophy Web sites compiled by Chowan College.

1238. Rivendell Educational Archive
http://w·ww.watson.org/rivendell/
This is an educational resource primarily for K-12. Contains information related to many fields, including religion and philosophy, both Eastern and Western.

1239. Webocracy Web Guides-Religion & Philosophy
http://www.webcracy.com/websaurus/web_Guides/_Religion_philosophy/
Click on the names of major world religions and be provided with a list of links to sites and discussion groups about those religions. In addition to Christianity, Judaism, Buddhism, and other mainstream religions, you'll also find Zoroastrianism and Jainism.

1240. Antiquity Online
http://fsmitha.com/h1/
Search this site or scan the major subcategories for information about ancient religions, with an emphasis on historical significance and events of the times.

1241. The Egyptian Book of the Dead
http://www.lysator.liu.se/~drokk/BoD/
Learn all about the ancient Egyptian's view on death and the afterlife. The Book of the Dead is here in its full-translated glory, everything from "Hymn to Osiris" to "Making the Transformation to the Crocodile God".

1242. Access to Insight
http://www.accesstoinsinsight.org/
Focuses on supporting and deepening Buddhist meditation practice. Emphasizes teachings from the Theravada Buddhist tradition, but represents other Buddhist traditions as well.

1243. Buddhanet.net
http://buddhanet.net/
This site, affiliated with a nonprofit organization, has a huge amount of information about the teachings of Buddha, links, chat, books about Buddhism, articles, and much more. You're likely to find everything you wanted to know about Buddhism here.

Rhinocerotidae

1244. Black Rhinoceros - Endangered Species in the Wild
http://www.bagheera.com/inthewild/van_anim_rhino.htm
Read about the historical, biological and conservational aspects of the Black rhinoceros.

1245. Black Rhinoceros - Lincoln Park Zoo
http://www.lpzoo.com/tour/factsheets/mammals/blk_rhino.html
Includes photo and facts about the range, status, habitat, niche, life history and special adaptions of the Black rhino.

1246. White Rhinoceros - theBigZoo.com
http://www.thebigzoo.com/Animals/White_Rhinoceros.asp
Includes photos, videos and information about diet, habitat, predators, offspring, social life, intelligence, senses, weight, height and life span.

1247. Greater Indian Rhinoceros - theBigZoo.com
http://www.thebigzoo.com/Animals/Greater_Indian_Rhinoceros.asp
Includes facts, photos and videos of the Greater Indian Rhinoceros.

1248. Black Rhinoceros - Ecobeetle
http://www.ecobeetle.com/rhino.htm
Facts and conservation links.

1249. WWF - Rhinoceros
http://www.panda.org/news_facts/education/virtual_wildlife/animal_profiles/rhino_intro.cfm
Overview of biology and conservation issues.

Reptilia

1250. EMBL Reptile Database
http://www.emblheidelberg.de/~uetz/LivingReptiles.html
An information resource on reptile taxonomy with a focus on the species level.

1251. Turtle, Tuatara, Crocodile Checklist
http://www.flmnh.ufl.edu/natsci/herpetology/turtcroclist/
Checklist of crocodilians, tuatara, and turtles of the world: A web version

of the long out-of-print edition originally published by the Association of Systematics Collections in 1989.

1252. Class Reptilia
http://animaldiversity.ummz.umich.edu/chordata/reptilia.html
Outline of the taxonomy of turtles, snakes and lizards, alligators and crocodiles, with information on selected subgroups and species.

1253. Reptiles of Australia
http://kingsnake.com/oz/
Checklist, photo gallery, and range maps.

1254. Reptile Image Gallery
http://www.lastrefuge.co.uk/photolibrary/spimage_reptiles.html
Small images of snakes, crocodilians, and lizards by Adrian Warren.

1255. Discover Canada's Aquatic Reptiles
http://www.aquatic.uoguelph.ca/reptiles/reptframes.htm
All about Canada's snakes, lizards, and turtles.

Rotifera

1256. Digital Video Gallery: Pond Life
http://micro.magnet.fsu.edu/moviegallery/pondscum.html
Includes multiple videos of 10 genera of Rotifera, along with many species of Protozoans, Algae, and other organisms.

1257. The Wonder of the Rotifer
http://www.microscopy-uk.org.uk/mag/art98/krot.html
A Micscape article, complete with movie and sound effects, about the structure and feeding behavior of rotifers.

1258. Rotifer Systematic Database
http://dmc.utep.edu/rotifer/
Rotifer taxonomy, anatomy, reproduction and behavior.

1259. Rotifers and how to find them
http://www.microscopyuk.org.uk/mag/articles/winrotif.html
Roy Winsby's article from Micscape Magazine.

1260. Life in a drop of water: rotifers, pond life
http://www.microscopyuk.org.uk/mag/art97/mmpond.html
Mike Morgan's article in Micscape magazine, with several photographs of British rotifers.

1261. Minor Invertebrate Phyla - Phylum Rotifera
http://orion1.paisley.ac.uk/courses/Tatner/biomedia/units/mino6.htm
This is a brief introduction to the rotifers, with two beautiful pictures, from the Biological Sciences at the University of Paisley.

1262. Rotifers
http://www.vvm.com/~jevans/sfaquaticinvertebrates/folderrotifers/frot.html
Guide to anatomy, with many images of Texas species.

S

Scorpions

1263. Scorpions
http://www.desertusa.com/oct96/du_scorpion.html
Description and biology of scorpions from Desert USA.

1264. Scorpion Emporium
http://wrbu.si.edu/www/stockwell/emporium/emporium.html
Site created by former scorpion systematist Dr. S.A. Stockwell. Includes information of scorpion phylogeny, individual species, and medically important species. Numerous photos.

1265. Classification of the Class Scorpionida
http://wrbu.si.edu/www/stockwell/classification/classification.html
Taxonomic classification for the world's scorpions down to the level of Genus by Dr. Scott A. Stockwell.

1266. Introduction to the Scorpiones
http://www.ucmp.berkeley.edu/arthropoda/arachnida/scorpiones.html
A brief description of scorpion history, biology and taxonomy from UCMP Berkeley.

1267. Scorpions From Europe
http://melkor.unibe.ch:8080/philnat/benjamin.gantenbein.1/personel.html
Euscorpius, Buthus, and Mesobuthus are some of the scorpions being studied by Benjamin Gantenbein. Check out the scorpion FAQs and the information about scorpion venom.

1268. Scorpion Files
http://www.ub.ntnu.no/scorpion-files/
Discusses various scorpion-related topics, including photos and information of scorpion species from around the world, including those of medical importance. Contributors include systematists, ecologists, and enthusiasts.

1269. Scorpions of Southern Africa
http://www.scorpions.co.za/
Information about scorpions in Africa south of the Zambezi River.

Seals and Sea Lions

1270. All About Seals, Sea Lions, and Walruses
http://www.seaworld.org/Pinnipeds/whatarethey.html
Information on both the differences and similarities of seals and sea lions.

1271. Southern Elephant Seal
http://www.pbs.org/kratts/world/ant/seal/index.html
Provides information about elephant seals. Information includes habitat, description, and food sources.

1272. Sea Lions
http://www.sazooaq.org/02meet/02sublinks/sealion.html
General information on "Zalophus californianus californianus," otherwise known as a sea lion.

Sharks

1273. International Shark Attack File
http://www.flmnh.ufl.edu/fish/Sharks/ISAF/ISAF.htm
A database of shark attacks as well as information on how, why, and where sharks attack, and how to avoid becoming a victim.

1274. NOVA Online: Island of the Sharks
http://www.pbs.org/wgbh/nova/sharks/
Information about sharks and sharkmasters.

1275. Fiona's Shark Mania
http://www.oceanstar.com/shark/
Shark resources and information, including graphics and clip art, stories, links, and the SHARK-L mailing list.

1276. Discovery Channel's Shark Week 2002
http://dsc.discovery.com/convergence/sharkweek2002/sharkweek2002.html
Information on a variety of sharks, from the Great Whites to Hammerheads. Includes interactive games and shark quiz along with expert shark attack answers.

1277. Bimini Biological Field Station
http://www.miami.edu/sharklab/
Information on classes offered at the shark research field station located on Bimini, shark information, this site is headed by Sonny Gruber.

1278. Shark Attacks
http://www.sharkattacks.com/
Information about shark attacks with photos of victims and sharks. Shark attack news section and discussion board.

1279. Sharks
http://www.oceanofk.org/sharks/sharks.html
Introduction to these predatory marine animals, with additional information regarding shark anatomy, senses, and diversity.

1280. Center For Shark Research
http://www.marinelab.sarasota.fl.us/~rhueter/sharks/shark.phtml
Research center outlines the distribution and diversity of sharks, skates and rays, and reviews myths about sharks. Also discusses shark attacks.

1281. White Shark Central
http://www.geocities.com/RainForest/Andes/2771/
Contains information about the Great White Shark and information about Great White attacks on humans from the 80's and early 90's.

1282. The Great White Shark
http://www.greatwhite.org/
Comprehensive guide to nature's most fearsome predator, the Great White Shark.

Snakes

1283. Queensland Snakes
http://www.qmuseum.qld.gov.au/features/snakes/
Guide to the snakes of Queensland, Australia, with detailed information, range maps, and photos for the 20 dangerous species. Sections on identification, behavior, snake bites, taipans (possibly the world's most dangerous snakes). Full list of the 31 species of the Brisbane area, with images.

1284. Snakes of North America
http://www.pitt.edu/~mcs2/herp/SoNA.html
Complete list of species, with images and family descriptions.

1285. What's That Snake?
http://www.oplin.lib.oh.us/products/snake/
Guide to the snakes of Ohio, with images and range maps.

1286. Flying Snakes
http://www.flyingsnake.org/
Information on flying snakes (Chrysopelea), including videos of flight behavior and links.

Sponges

1287. Sponge Reefs on the Continental Shelf
http://www.pgc.nrcan.gc.ca/marine/9901_home.htm
Canadian Geological Survey program to study hexactinellid reefs.

T

Technology

1288. ELECARD Inc.
http://www.elecard.com
Digital image and signal processing software development.

1289. Signal Processing Information Base (SPIB)
http://spib.rice.edu/spib.html
Contains data, papers, software, newsgroups, bibliographies. Links to other research and development sites.

1290. ZSP Signal Processing
http://www.zsp.com
Audio signal and digital signal processing hardware and solutions from LSI Logic. Includes dsp communications solutions, IP cores, and VOIP products.

1291. MDDS Technologies Ltd
http://home.clear.net.nz/pages/jarmo/
Development of a Multilevel Digital Dataprocessing System to improve data speed over existing 24 gauge twisted pair lines. Includes theory and developer biography.

1292. MMSP 2001
http://mmsp01.eurecom.fr/
IEEE Workshop on Multimedia Signal Processing.

Ticks and Mites

1293. Iowa State's Deer Tick Image Gallery
http://www.ent.iastate.edu/imagegal/ticks/
Photographs and QuickTime movies of several tick species of North America.

1294. Tick Biology
http://entomology.ucdavis.edu/faculty/rbkimsey/tickbio.html
Information and images covering the life cycles and biology of the Ixodidae (hard ticks) and Argasidae (soft ticks.

1295. Mite Image Gallery
http://www.uq.edu.au/entomology/mite/mitetxt.html
SEM images and text of mites by David Walter, University of Queensland, Australia.

1296. Tick Images
http://www.riaes.org/resources/ticklab/ticks.html
Sketches, photos, size comparison, and morphological descriptions of ticks found in Rhode Island, including blacklegged (deer) tick, Ixodes scapularis; American dog tick, Dermacentor variabilis; and lone star tick, Amblyomma americanum.

1297. Chiggers
http://ohioline.osu.edu/hyg-fact/2000/2100.html
Illustrated fact sheet from Ohio State University.

1298. Chiggers
http://entowww.tamu.edu/extension/bulletins/L-1223.html
Brief article about the identification, biology, and control of chiggers found in Texas, as well as treatment for chigger bites.

1299. Lyme Disease and Tick Management
http://www.ianr.unl.edu/ianr/lanco/enviro/pest/factsheets/001-95.htm
University of Nebraska Cooperative Extension factsheet and audio on ticks and Lyme disease, including images of several tick species and life stages.

1300. House Dust Mites
http://www.ianr.unl.edu/ianr/lanco/enviro/pest/factsheets/013-97.htm
University of Nebraska Cooperative Extension in Lancaster County factsheet and audio message on house dust mites (includes biology and control.

1301. Classification of Ticks
http://members.ozemail.com.au/~norbertf/classification.htm
Information about ticks in Australia.

Termites.

1302. Termites - Urban Entomology Program
http://www.utoronto.ca/forest/termite/termite.htm
Termite biology, taxonomy, phylogeny, control, beneficial uses of termites, genus and species lists, distribution lists, family keys, and a comprehensive list of termite-related links.

1303. Termites and their Control
http://unexco.com/Termite.html
Information about termite biology, how to tell a flying termite from a flying ant, as well as extermination information.

1304. Termite Handbook
http://pested.unl.edu/termite/
Handbook for homeowners about subterranean termite biology, identification, and control.

1305. International Isoptera Society Homepage
http://www.cals.cornell.edu/dept/bionb/isoptera/homepage.html
Members directory, newsletters, job listings, termite news, termite links and termite photos.

1306. Catalog of the Termites of the New World
http://www.unb.br/ib/zoo/docente/constant/catal/cat.htm
A listing of more than 500 species, organized taxonomically.

1307. Termites 101
http://www.utoronto.ca/forest/termite/trmts101.htm
Offers description of the differences in the social organization and habits of wood inhabiting termites and soil tunnelling termites.

1308. Characteristics of termites
http://www.colostate.edu/Depts/IPM/ento/j532.html
Characteristics and control from Colorado State University.

1309. Termite biology
http://www.ianr.unl.edu/pubs/Insects/g1062.htm
Information on biology and control of subterranean termites from Neb guide.

Toads and Frogs

1310. FrogWeb
http://www.frogweb.gov
A multi-agency initiative that provides information about recent, global declines and deformities among amphibian populations.

1311. Exploratorium: Frogs
http://www.exploratorium.edu/frogs/
Features an online exhibition, frog myths across cultures, and sound files.

1312. Frogs and Toads of Georgia
http://wwknapp.home.mindspring.com/GAFrog.Toad.html
Detailed species accounts with photos, illustrations, calls, and range maps for 32 species.

1313. Jurassic Frogs
http://sln2.fi.edu/inquirer/frog.html
Study on reconstructed skeleton of a frog that hopped among the dinosaurs nearly 200 million years ago.

1314. Nova Scotia Frogs
http://museum.gov.ns.ca/mnh/nature/frogs/
Photos and descriptions of species endemic to the region.

1315. Frogs of the Malay Peninsula
http://frogweb.org/
Guide to the frogs of the Malay Peninsula (Thailand, Malaysia and Singapore), with photos, desriptions, and audio. Includes information about biology and ecology, checklists, field tips, and references.

Tiger

1316. Tiger Information Center
http://www.5tigers.org/Directory/allabouttigers.htm
Contains information about the basic tiger facts as well as information on species, tigers in zoos and in the media, and a collection of multimedia.

1317. Tiger Territory
http://www.lairweb.org.nz/tiger/
Biology and stories about tigers and tiger hybrids.

1318. International Year of the Tiger Foundation
http://www.internatyearofthetiger.org/
British Columbia based non-profit organization working to prevent the extinction of the world's wild tigers and other endangered species.

1319. All For Tigers
http://tiger.to/
General information about tigers and conservation issues. [Javascript required].

1320. The Tiger's Paw
http://www.tigerspaw.org
The Tiger's Paw has information about Siberian tigers and their plight in the world.

1321. Love for Tigers
http://geocities.com/amba_darla/
Dedicated to raising awareness and providing information about the plight of tigers.

1322. Wonderful World of Tigers
http://www.geocities.com/petsburgh/zoo/3006
A personal site with fact sheets on both Siberian and Bengal tigers.

1323. Tiger Watch
http://hometown.aol.com/tigertrail/index.htm
A 17 year old's personal site with pictures, information, and educational materials.

V

Veterinary Medicine

1324. VetGate
http://vetgate.ac.uk/
Gateway to a search of evaluated internet resources in animal health. Aimed at students, researchers, academics, and practitioners in animal health.

1325. Veterinary Information Network - VIN
http://www.vin.com
Large online community for veterinarians. Includes vet finder, forums,

membership information, consultants, and contact information. Must be a VIN member to access all of the site.

1326. Consultant

http://www.vet.cornell.edu/consultant/consult.asp

Online computer-assisted veterinary diagnosis tool. Enter signs or diagnosis in search box and get possible matches.

1327. NetVet Veterinary Resources

http://netvet.wustl.edu/vet.htm

Large collection of veterinary medical and animal related internet resources.

1328. Veterinary Medicine Resources

http://vetmedicine.about.com

Veterinary medicine links, articles, chat, bulletin boards.

1329. VetScape Veterinary Internet Network

http://www.vetscape.co.uk/

A selective directory of Internet sites for vets, techs, nurses, and students.

1330. Rabnet

http://oms2.b3e.jussieu.fr/rabnet/

World Health Organization Division for Emerging and other Communicable Diseases Surveillance and Control Zoonotic Disease Unit. Rabies information.

1331. Animalscience.com

http://www.animalscience.com/

The online community for specialists in animal health and production.

1332. VetCentric.com - Animal Healthcare on the Web

http://www.vetcentric.com/

Veterinary information and resources for animal owners. Browse the encyclopedia, read about the latest advances in veterinary medicine, or search the knowledgebase.

1333. Vetsonline.com

http://www.vetsonline.com

Portal for veterinarians. Includes news, web site reviews, CPD calendar provided by vetcpd, bookshop, and veterinary links directory.

1334. E-Vet
http://www.e-vet.com/
Includes sections for veterinarians only, with e-mail lists, message boards, and client handouts. Also includes pet health information, and databases of veterinarians and veterinary supply companies.

1335. Literature Review Source for Avian and Exotic Veterinary Practitioners
http://ae.inno-vet.com
Scanning the latest veterinary medical, human medical and other scientific publications for items of interest to the avian / exotic veterinary practitioner. Updated monthly.

1336. VetAsia
http://www.vetasia.com
Free veterinary advice for all pets; dogs, cats, and exotic. Strong focus on Asia-Pacific region, with information on diseases, vet clinics, and organizations.

1337. Veterinary Specialists
http://www.vet-specialists.de/
Includes veterinary specialisation, veterinary book reviews, various diseases, links to all veterinary colleges around the world, new treatment options, and diagnostic methods.

Vertebrates

1338. Australia's Lost Kingdoms
http://www.lostkingdoms.com/
Exhibit from the Australian Museum covering Australia's fossil history from 110 million years ago.

1339. Transitional Vertebrate Fossils FAQ
http://www.talkorigins.org/faqs/faq-transitional.html
A large, but by no means complete, list of transitional fossils that are known.

1340. Vertebrate Notes
http://home.houston.rr.com/vnotes/
Relationships, anatomical descriptions, essays and web links for living and extinct vertebrate groups.

1341. Angellis
http://www.angellis.net/
Images and information about dinosaur genera as well as some non-dinosaur vertebrate taxa.

W

Wind

1342. Wind Engineering Research Center, Texas Tech University
http://www.wind.ttu.edu/
Large collection of informational material about the natural wind and its effects on civil engineering infrastructure made up of buildings, bridges, transmission-line towers, and various other structures.

1343. Whirling Winds of the World
http://freespace.virgin.net/mike.ryding/
An increasing collection of local, spinning, global and seasonal winds. Also includes overview of wind-causing factors.

1344. Wind Engineering and Fluids Laboratory
http://www.windlab.colostate.edu/
Colorado State University research group studying wind effects on structures, as well as dispersion of pollutants, using boundary-layer wind tunnels.

Weather Phenomena

1345. National Severe Storms Laboratory
http://www.nssl.noaa.gov/
The National Severe Storms Laboratory is one of NOAA's internationally known Environmental Research Laboratories, leading the way in investigations of all aspects of severe weather. Headquartered in Norman OK with staff in Colorado, Nevada, Washington, Utah, and Wisconsin.

1346. Wild Weather
http://www.wildweather.com/
Daily news updates on severe weather phenomena happening around the

world. Also includes original articles, storm chase video, a photo gallery, hurricane tracking, links, weather cams, and meteorologist profiles.

1347. Top Weather, Water, and Climate Events of the Twentieth Century (Story 334)
http://www.noaanews.noaa.gov/stories/s334.htm
Background information on the top weather events around the world. Compiled by NOAA.

1348. Greg's Weather Center
http://members.aol.com/hurctrack/HurcTrack.index.html
Large collection of links to sites about weather (hurricanes, blizzards, and tornadoes) and a section with storm updates.

1349. Bew - Incredible Weather
http://www.incredibleweather.com/
Image galleries of weather phenomena in Canada as well as tools for chasing tornadoes on the internet. Site in both English and French.

1350. Weird Weather Reports
http://gardenearth.com/weirdwea.html
Records anecdotal stories about hurricanes, fires, extreme temperatures, tornadoes, flooding, droughts and other weather related phenomena.

1351. Weather Hazards
http://www.angelfire.com/tx2/ac5jw/meteo.html
Collection of links to weather hazards theme pages containing federal information sources for kids and adults.

1352. Fog
http://www.angelfire.com/tx2/ac5jw/themes/meteo/fog.html
Definition, characteristics and historical examples of fog as a natural hazard based on information taken from the Federal Emergency Management Agency and other government sources.

1353. Weather Picture of The Day Album
http://weatherpictureoftheday.com/album/wpotd-album.htm
Photo album of weather pictures.

Wastewater

1354. WaterWiser

http://www.waterwiser.org/

Water efficiency clearning house. Directory of water and wastewater related publications, products and services.

1355. World Wide Web Virtual Library: Wastewater Engineering

http://www.cleanh2o.com/ww/

Municipal Wastewater, Academic and Research Institutions, Professional and Trade Organizations, Consultants, Suppliers, Resource bases, Company listing collections, Pretreatment, and Agencies.

1356. Water-Wastewater Web

http://www.w-ww.com/

Products and services for water and wastewater treatment. Other resources of interest to water and waste water treatment professionals.

1357. Science Traveler International

http://www.scitrav.com/wwater/

A wastewater forum with information on wastewater software and news. It also includes 'Wastewater World Wide' - extensive Wastewater Web Link pages.

1358. Sewage World

http://www.sewage.net/

Wastewater and water treatment plants around the world: virtual visit and industrial flowcharts.

1359. Water and Wastewater Equipment Manufacturers Association

http://www.wwema.org/

WWEMA is a non-profit trade organization for companies that manufacture products sold to the potable water and wastewater treatment industries. Members supply leading-edge products and technologies, offering solutions to numerous water-related environmental problems and needs.

1360. Database Central

http://home1.gte.net/vsjslsk1/index.htm

Wastewater organisms database.

1361. Phosphate Recovery
http://www.nhm.ac.uk/mineralogy/phos/
Information about research and conferences on the recovery and reuse of phosphate from wastewaters and animal wastes.

1362. Nitrate to Nitrogen
http://www.lanl.gov/projects/nitrate/
Information about ChemDen, a new technology to convert nitrate in wastewater, agriculture runoff, and other waters to nitrogen gas.

1363. H2OChem.com
http://www.h2ochem.com
Water treatment solutions, online resource for water treatment needs-water treatment programs for the chemical industry (boiler, cooling, wastewater chemicals).

1364. NSF International: Certified Wastewater Treatment Units
http://www.nsf.org/Certified/Wastewtr_inf.cfm
Database of wastewater treatment processes and equipment (for inustrial, municipal, and residential use) that have been evaluated and certified to meet technical standards.

1365. WaterWorld Magazine: Municipal Water/Wastewater Information
http://www.wwinternational.com/pages/waterworld.htm
Liquid and solid waste, water quality, contamination and pollution information, trends and technology online for professionals in the municipal water and wastewater industry.

1366. Water Online
http://www2.wateronline.com/welcome/hbdmoz
Marketplace for professionals in the water and wastewater treatment industry.

Water Quality

1367. Center for Watershed Protection
http://www.cwp.org/
Stormwater management design, "Smart Growth" resources, model

ordinances, information to assist professionals and communities in protecting water resources.

1368. Nutrient Pollution
http://www.chesapeakebay.net/info/nutr1.cfm
Discusses how nitrogen and phosphorus enrichment affect Chesapeake Bay and other aquatic systems.

1369. Rain Gardens
http://www.raingardens.org
How-to information on maintaining native plant gardens to reduce the amount of stormwater runoff entering surface waters.

1370. Living Water
http://www.livingwater.org.uk
Applying ecological principles and natural systems to create water and waste solutions for households, communities, agriculture, landfills and industry.

1371. Water Quality Document Database
http://hermes.ecn.purdue.edu/server/water/wqdocmap.html
Bibliography of reports about water quality in the U.S., sorted by geographic area.

1372. Aqua-Force Water Treatment
http://www.bioverse.com/aquaforce/
All natural product that maintains pond and lake ecosystems without the use of chemicals.

1373. Clean Lakes Program
http://www.epa.gov/OWOW/LAKES/index.html
EPA's information resources on clean lakes, including links to on-line documents, the latest [1994] published 305(b) report, and ordering instructions for other documents about clean lakes.

Wetlands

1374. USGS National Wetlands Research Center
http://www.nwrc.nbs.gov/
Mission is to develop and disseminate scientific information needed for

understanding the ecology and values of U.S. wetlands and for managing and restoring wetland habitats and associated plant and animal communities.

1375. Wetlands International
http://www.wetlands.org
Non-profit organization dedicated solely to wetland conservation and sustainable management. Information about wetlands and organization activities around the world.

1376. The Wildfowl & Wetlands Trust
http://www.wwt.org.uk
Engendering care and concern for wetlands by focusing on rare wetland birds and bringing people into close contact with ducks, geese, and swans at centers throughout the UK.

1377. Wetlands International - Africa, Europe, Middle East
http://www.wetlands.agro.nl
Information about wetlands and conservation activities in the regions.

1378. Society of Wetland Scientists
http://www.sws.org/
a non-profit organization founded to promote wetland science and the exchange of information related to wetlands.

1379. Everglades Library
http://www.floridaplants.com/everglad.htm
Internet resource library of information on the Florida Everglades and its restoration.

1380. Wetlands
http://h2osparc.wq.ncsu.edu/info/wetlands/
Introduction to wetlands and their value to the ecosystem.

1381. Partners for Wetlands
http://www.partnersforwetlands.org
Promotes sustainable, productive use and conservation of freshwater wetlands throughout the world. Site has information about wetlands in general and at specific locations.

1382. The Digital Field Trip to The Wetlands
http://www.digitalfrog.com/products/wetlands.html
Learn about wetland ecology, including types, organisms, food webs, bog formation and conservation with Digital Frog International's award-winning educational CD-ROM.

1383. Wetland Regulations Center
http://www.wetlands.com/index.html
Presented by Environmental Technical Services Co. as a service to all persons interested in the laws, policies and regulations concerning activities regulated under Sections 401 and 404 of the Clean Water Act in waters of the United States, including wetlands.

1384. Wetlands Research & Technology Center
http://www.wes.army.mil/el/wrtc/wrtc.html
Facilitates and coordinates wetlands scientific and engineering work, wetlands training and information.

1385. Wetlands International
http://www.wetwonder.org/english/0.htm
Nonprofit global organisation dedicated to wetland conservation and sustainable management.

1386. 100 Top Wetland Sites
http://www.100TopWetlandSites.com
Annotated list of websites

1387. Wetland Science Institute
http://www.pwrc.usgs.gov/WLI/
Comprehensive U.S. government technical resource on wetlands, their delineation and restoration, and related topics.

Water Resources

1388. USGS -- Water Resources of the United States
http://water.usgs.gov/
Home page for water resources information from the U.S. Geological Survey. Topics include ground water, surface water, water use, water quality, acid rain, toxic substances hydrology.

1389. WWW-Virtual Library: Irrigation and related topics
http://www.wiz.unikassel.de/kww/projekte/irrig/irrig_i.html
Well-organized and annotated index of on-line resources concerning irrigation, hydrology, and water resources.

1390. UNESCO Water Portal
http://www.unesco.org/water/
Database access and worldwide news and information on fresh water topics, including scientific policies, programmes, forums, events, photos and links.

1391. EDF Chemical Scorecard
http://www.scorecard.org/
Toxic Release Inventory data for the US. Sources and amounts of toxic chemicals released to air and water. Also has information on health effects and other topics

1392. UWIN: Universities Water Information Network
http://www.uwin.siu.edu/
Purpose is to provide a comprehensive information resource for water professionals.

1393. Global Water Partnership
http://www.gwpforum.org/
They support integrated water resources management programmes by collaboration, at their request, with governments and existing networks and by forging new collaborative arrangements.

1394. Water Web Consortium
http://www.waterweb.org/
Internet directory, webring, online forums, and international workshops intended to promote the sharing of information concerning water and the earths environment.

1395. Water Online
http://www.wateronline.com/
For water and wastewater professionals. Industry news, regulatory updates, latest technology announcements and employment opportunities.

1396. GIWA - Global International Waters Assessment
http://www.giwa.net/
Led by the United Nations Environment Programme (UNEP), the aim of GIWA is to produce a comprehensive and integrated global assessment of international waters. Information is available in English, Arabic, Chinese, French, German, Russian, Spanish, and Swedish.

1397. Water Librarians' Home Page
http://www.interleaves.org/~rteeter/waterlib.html
Resources for librarians in water agencies and similar institutions.

1398. Resources for the Future Library: Water
http://www.rff.org/environment/water.htm
Research reports (PDF format) and project summaries related to economic and policy aspects of water allocation/management and water quality improvement. Sample topics include marketing water, water as a source of international conflict, economic value of fresh water, and cross-media pollution.

1399. World Water Resources and Their Use
http://espejo.unesco.org.uy/
Information on quantities and forms of water worldwide, including discharge of rivers, as well as water use and demand. From UNESCO and Russian State Hydrologic Institute.

1400. Isotopes in Water and Environmental Management
http://www.iaea.org/worldatom/Press/Booklets/Isotopes/
Uses of isotopes (both stable and radioactive) and isotope data in hydrology. Source is IAEA.

1401. International Network on Water, Environment, and Health
http://www.inweh.unu.edu/unuinweh/default.htm
Part of United Nations University. Fosters the application of appropriate technologies to meet water needs and assist environmental industries in developing countries.

1402. Environmental Protection Agency (EPA) Office of Water
http://www.epa.gov/ow/
US federal agency responsible for protecting and improving water

quality. Site includes details of national water programs, online library, local information, laws, and kids page.

1403. A-S: Water Quality Knowledge Online
http://www.waterquality.de/index-en.htm/
Information on water resource topics, including biology, chemistry, limnology, and drinking water.

1404. World Water Conservation
http://worldwaterconservation.com/
Reports on the status of water supply and water-saving measures at various locations around the world.

Welding

1405. Edison Welding Institute
http://www.ewi.org/
A non-profit engineering and technology resource organization serving the welding and joining needs of industry. Expertise in processes from arc welding to adhesive bonding and materials ranging from metals to plastics.

1406. Quality Control of Resistance Welding
http://www.weldtechnology.com/
Information about the quality control of resistance welding using non-destructive evaluation, statistical process control and adaptive control systems. Resistance welding literature, troubleshooting information.

1407. CWT National Welding Certification Testing Bureau
http://www.weldingcertification.com
Serve the welding industry, and help maintain the publics safety through the administration and issuance of certifications and accreditations in welding, or inspection and testing.

1408. Resistance Welding
http://www.tcp-ip.or.jp/~nagai/Welding.html
List of resources and suppliers.

1409. Guide to Flamecutting Machines
http://www.torchcutter.com
Introduction to oxy-fuel cutting machines, torches, fuel gasses, control manifolds and cutting economics.

1410. Applied Welding
http://www.appliedwelding.com/
Quarterly online magazine with information about the latest process and product technologies. Past issues available. From Miller Electric Mfg.

1411. Welding Technology Institute of Australia
http://www.wtia.com.au/
Welding and joining technology support centers for Australian industry.

1412. Welding.Com
http://www.welding.com
A B2B Web site for welding and related processes. With information and links to related sites and news of mig, tig, laser and robotic welders.

1413. Welding and Cutting
http://www.welding-and-cutting.info
Technical, scientific, magazine covering welding, cutting and soldering technology and related fields.

1414. Welding Links
http://www.angelfire.com/on3/lordspidersweb/weldingmain.html
Some useful links to various welding sites. Some technical information.

Women's Studies

1415. Gifts of Speech
http://gos.sbc.edu/
Full texts of women's speeches from around the world. Maintained by Sweet Briar College.

1416. theory.org.uk
http://www.theory.org.uk/
Stylish new website for everyone interested in media studies and gender studies. Lots of content on queer theory, gender, Foucault, Judith Butler, media influences, cyber culture, role models, and critical theory. With lots of book reviews, all updated regularly. Produced by Dr David Gauntlett, University of Leeds, UK.

1417. Inform Women's Studies Database

http://www.inform.umd.edu/EdRes/Topic/WomensStudies/

The University of Maryland women's studies database. Serves those interested in the women's studies. Topics include conferences, bibliographies, calls for papers, program support, gender issues, bibiliography and syllabi, employment, and government.

X

Fragile X Syndrome

1418. FRAXA Research Foundation Home Page

http://www.fraxa.org/

Non-profit organization run by parents. Fighting to find a cure for Fragile X Syndrome and helping Fragile X Family's.

1419. Conquer Fragile X, Inc.

http://www.conquerfragilex.org

Creating a virtual research center in Israel to find a cure.

1420. Fragile X Syndrome - Diagnostic and Carrier Testing

http://www.faseb.org/genetics/acmg/pol-16.htm

A Policy Statement from the American College of Medical Genetics.

1421. Familyvillage

http://www.familyvillage.wisc.edu/lib_frgx.htm

Links to places to talk about Fragile X.

1422. Fragile X Syndrome

http://home.coqui.net/myrna/fragile.htm

Single page on recognition of the condition in young children.

1423. Online Support Group

http://groups.yahoo.com/group/fragilex/

Support group for Family's who are dealing with Fragile X Syndrome.

1424. GenomeLink

http://www.genomelink.org/fragile

An introduction of Fragile X Syndrome, followed by links to articles, clinical trials and support groups.

X-ray

1425. Chandra X-ray Observatory Center
http://chandra.harvard.edu/
News, education, chronicles, launch.

1426. MAXIM - MicroArcsecond X-Ray Imaging Mission
http://maxim.gsfc.nasa.gov/
A proposed NASA observatory. Details on the mission and goals.

1427. Chandra - X-Ray Astronomy Field Guide
http://chandra.harvard.edu/xray_sources/
Stars, supernovae, black holes, white dwarfs, galaxies.

1428. ASCA Guest Observer Facility
http://heasarc.gsfc.nasa.gov/docs/asca/
ASCA (formerly named Astro-D) is Japan's fourth cosmic X-ray astronomy mission, and the second for which the United States is providing part of the scientific payload.

Z

0 – Zero

1429. Zero in Four Dimensions
http://www.pantaneto.co.uk/issue5/arsham.htm
A paper discussing the historical, psychological, cultural, and logical perspectives of the number zero.

1430. The Digit Zero
http://wwwpersonal.umich.edu/~danhorn/digits/zero.html
Some information about the number zero and links to other pages.

1431. A Rigorous Treatment of Division by Zero
http://www.math.su.se/~jesper/research/wheels/
By considering a new notion of division, one can allow division by zero, but the algebraic rules have to be modified.

1432. Zero
http://www-groups.dcs.st-and.ac.uk/history/HistTopics/Zero.html
A history of Zero that describes the introduction of zero and the main persons that brought advantages to it.

Absolute Zero

1433. What is absolute zero?
http://www.pa.msu.edu/~sciencet/ask_st/012992.html
An answer from the Lansing State Journal in Michigan, January 29, 1992.

1434. Absolute Zero!
http://www.sun.rhbnc.ac.uk/~uhap057/LTWeb/Absolute.html
A solid and readable explanation of the physics by Professor Michael Lea, University of London.

1435. The Nobel Prize in Physics 1997
http://www.nobel.se/physics/laureates/1997/index.html
This includes the press release of the Nobel Committee for the prize given to Steven Chu, Claude Cohen-Tannoudji, and William D. Phillips, for development of methods to cool and trap atoms with laser light. For those wanting more scientific details, be sure to click the link for "Additional background material" under "Further Reading."

1436. Below Absolute Zero -- What Does Negative Temperature Mean?
http://math.ucr.edu/home/baez/physics/ParticleAndNuclear/neg_temperature.html
Can you really make a system which has a temperature below absolute zero? From the Usenet Physics FAQ.

1437. BEC (Bose-Einstein Condensation) Homepage
http://www.colorado.edu/physics/2000/bec/index.html
"A new form of matter at the coldest temperatures in the universe." Simplified, surprisingly clear explanation. Includes cartoon illustrations.

1438. Computer Simulation of laser cooling and trapping
http://webphysics.davidson.edu/alumni/jocowan/Cooldown.htm
Download page for free copies of several "Cool Simulations."

Zoology

1439. Marine Organisms at the Marine Biological Laboratory
http://www.mbl.edu/marine_org/
Marine biology research center in Woods Hole, Massachusetts. Includes marine organism index, articles and essays, image databases, and full-text books.

1440. BIOSYS Internet Resource Guide for Zoology
http://www.biosis.org.uk/free_resources/resource_guide.html
Index and guide to internet resources in the zoological and other related life sciences of interest to zoologists.

1441. Online Zoologists
http://www.rtis.com/nat/user/elsberry/
The interests and avocations of a couple of zoologists. Information and links on the topics of protected marine species (whales, dolphins, seals, and sea lions), raptor biology and falconry, computational biology, artificial neural systems, evolutionary biology, and evolutionary computation.

1442. Academic Info: Zoology
http://academicinfo.net/zoo.html
An annotated directory of Internet resources on Zoology.

1443. Marine Biology
http://www.marinebio.com/
Information about various species of marine life (mainly fish and mammals), conservation, research, and news.

1444. Michael Tuma's Zoology Information Site
http://www.zooarch.com/zoology/
Animal facts, a career in zoology FAQ, and links to zoological resources.

Zoos and Aquariums

1445. The World-Wide Web Virtual Library: Zoos
http://www.mindspring.com/~zoonet/www_virtual_lib/zoos.html
Links to zoo-related sites.

1446. ZooWeb
http://www.zooweb.com
Find zoos, aquariums and conservation centers from around the world. Educational games, live zoo cameras and zoo electronic postcards.

1447. International Species Information System
http://156.99.114.200/
Use abstracts to find the holdings of zoos and other institutions of many wild species, including amphibians, birds, fishes, mammals and reptiles.

1448. International Zoo Educators Association
http://www.izea.net/
IZE is a professional association dedicated to expanding the educational impact of zoos and aquariums worldwide, to enhance the understanding of conservation issues and to share information on effective informal education methods.

1449. The Good Zoo Guide Online
http://www.goodzoos.com
Provides descriptions and information on zoos worldwide. Public can contribute to the guide reviewing and adding zoos to the online database.

1450. Exotic Animals: Care and Conservation Resource Site
http://www.pacificnet.net/~jmcnary/
Resources for professionals, educators, students and other individuals looking for information on the internet about the care of exotic animals in captivity and conservation programs for exotic animals in the wild. Includes links to many zoos and zoo-related organizations.

1451. International Zoo Design Database
http://www.zoolex.org
Zoo professionals present online animal exhibits. Compares standardized descriptions of animal exhibits and contains a list of firms/products/services/technologies for zoo design and construction.

1452. Petting Zoo Directory
http://www.pettingzoofarm.com
Petting zoos are listed by state or country and then city with short

descriptions and links. Also has information about setting up a petting zoo and animal quizzes.

1453. Zoos Worldwide

http://www.zoos-worldwide.com/

An extensive list of zoos, aquariums and wildlife parks worldwide.

1454. theBigZoo.com

http://www.thebigzoo.com/

World news about animals, zoos and conservation, virtual zoo with photos and descriptions of animals, and online games.

1455. Zoos on the Web

http://uk.geocities.com/gilbertbpuk

Expanding collection of profiles of Zoos, Aquariums and Wildlife Parks in the UK and beyond, with information on animals to be found there (including mammals, birds, reptiles, amphibians, fish and invertebrates), and other facilities.

1456. 4Zoos -- a guide to zoos from 4anything.com

http://www.4zoos.com/

Walking tours of our nation's finest, plus tickets and hours of operation from the Bronx Zoo, Baltimore Aquarium, San Diego Zoo, Sea World and Global Zoo Directory.

Zooarchaeology

1457. ArchNet: Faunal Resources

http://archnet.asu.edu/archnet/topical/faunal/faunal.html

Links related to identification of animal remains.

1458. International Council for Archaeozoology

http://www.nmnh.si.edu/icaz/

ICAZ is an international organization for those interested in studying the rich history of human/animal interactions through the analysis of archaeological animal bones.

1459. Environmental Archaeology

http://www.shef.ac.uk/uni/academic/A-C/ap/envarch/

The journal of human palaeoecology. Paper abstracts, submission guidelines, editorial policies, and subscription information.

1460. Ancient Biomolecules Centre

http://abc.zoo.ox.ac.uk/

University of Oxford research center in the Departments of Zoology and Biological Anthropology. Projects include research on Phylogenetics, Pathogens, and Beringian permafrost.

1461. Bioarchaeological References

http://www.utep.edu/leb/baref/biblio.htm

A bibliography of papers on identifying and interpreting biological remains from archaeological sites in terms of human usage, biogeography, and paleoecology. Compiled by the Laboratory for Environmental Biology, a research division of the Centennial Museum.

1462. Zooarchaeology Message Board

http://pub66.ezboard.com/bfaunalanalysis

This site is intended for both zooarchaeologists and archaeologists to discuss sites and data, share information and resources, and ask questions.

1463. Ethnozoology Index

http://emuseum.mnsu.edu/cultural/ethnoarchaeology/ethnozoology/index.shtml

An exhibit in Minnesota State University's Museum with information on Egyptian, Roman, Mexican and Wisconsin ethno zoology with links.

1464. Oregon State Museum of Anthropology Comparative Osteological Laboratory

http://www.uoregon.edu/~tasa/fauna.htm

A collection of mammals, birds, and fish used primarily for the identification of faunal collections from archaeological sites in Oregon. Catalog of the collection and contact information.

1465. Seasonality Bibliography

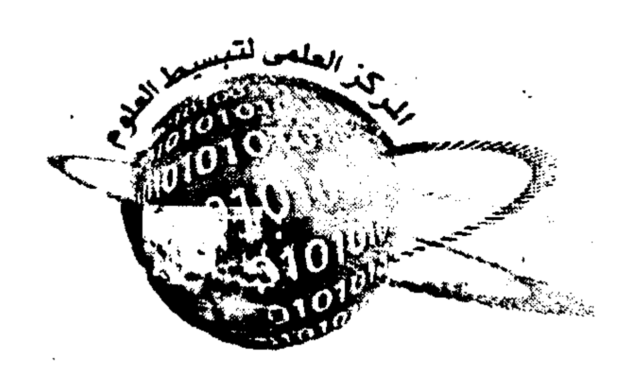
http://www.uta.edu/anthropology/seasonality/bibliography.html

A selected bibliography of studies related to determining seasonality from bone remains.

1466. Zooarchaeology Home Page

http://zooarchaeology.com/

Virtual library for the archaeology of animals. Contains links to sites with zoo archaeology information including meetings, methodology, and references.



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